SERVICE MANUAL

MODEL	DEST.	MODEL	DEST.
VPL-FX200U	US/CND	IFB-X2000E	AEP
VPL-FX200E	AEP	PSS-2000	WORLD
VPL-FX200M	E	SU-PJ2000	WORLD

DIFFERENCE-1

This manual described a point of difference only. Therefore, when make a servicing, refer to service manual of VPL-X2000U/E/M (9-929-611-01).

SP08221

LCD DATA PROJECTOR

SONY

Difference of Contents

Model Name Different Items	VPL-FX200U/FX200E/FX200M	VPL-X2000U/X2000E/X2000M
3-4-8. addition Component Level different	USE (VPL-FX200U ONLY)	NOT USE
M COMPL	A-1306-584-A	A-1306-561-A
HOOD ASSY	X-4036-941-A	X-4036-263-1
POWER BLOCK	1-468-439-11	1-468-286-11
OPTICAL BLOCK	1-758-371-11	1-758-234-11
OPERATING INSTRUCTIONS	3-867-467-11	3-865-344-11
OPERATING INSTRUCTIONS	3-867-467-21	3-865-344-21
OPERATING INSTRUCTIONS	3-867-467-31	3-865-344-31
MANUAL INSTALLATION	3-867-468-11	3-865-345-11
MANUAL INSTALLATION	3-867-468-21	3-865-345-21
MANUAL INSTALLATION	3-867-468-31	3-865-345-31

ADDITION

Section 3
SET-UP Adjustments (VPL-X2000U/X2000E/X2000M: Page 3-3)

3-4-8. Change of Component Level (VPL-FX200U ONLY)

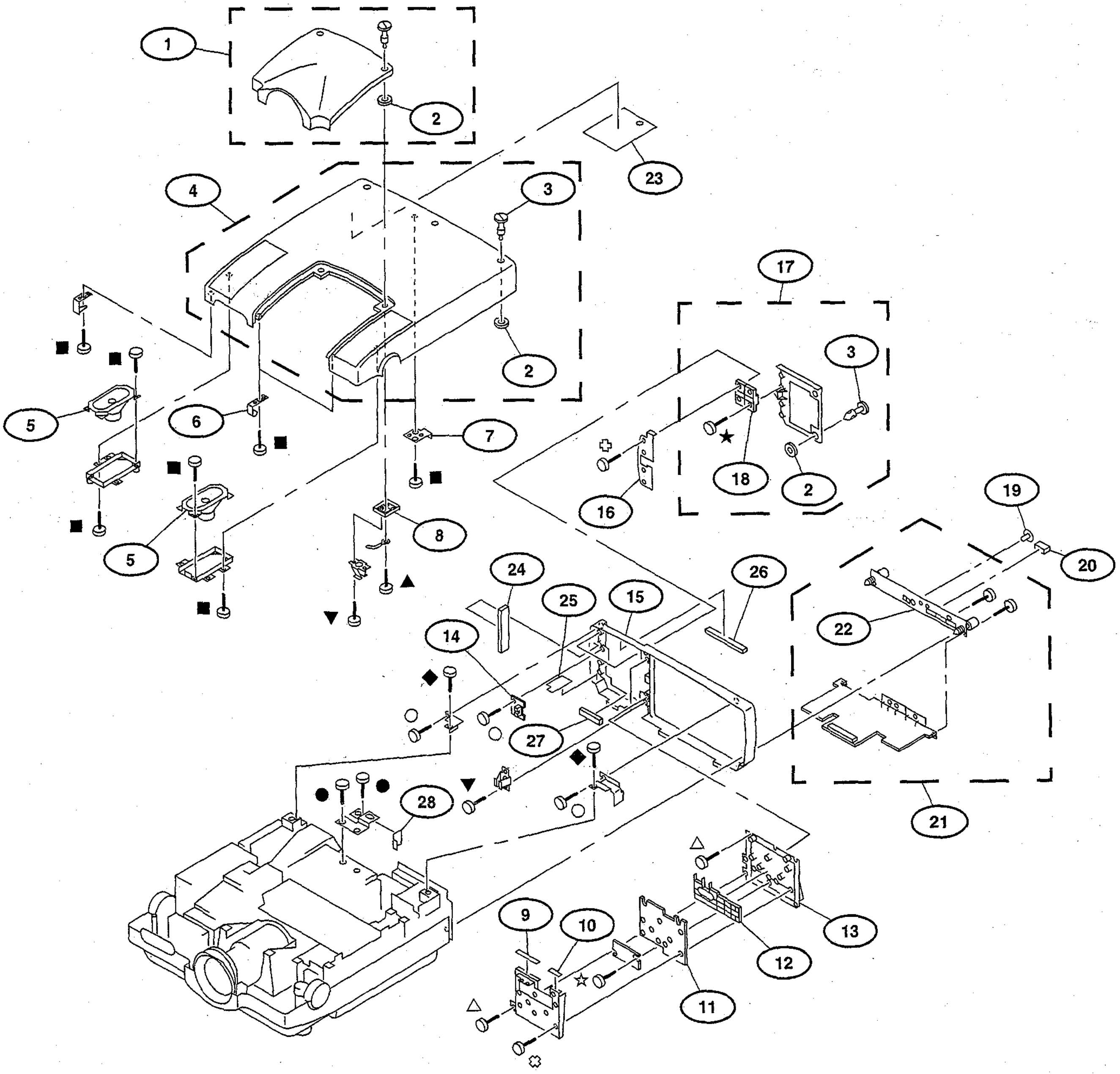
1. Select Device adjust then BA-MATRIX with menu, and set the 10 YUV LEV to 1 from 0.
2. Press ENTER key and select SAVE TO MEMORY on the menu. Press ENTER key again to save the data.

Section 6
Exploded Views

6-1. Hood, Rear Panel Block (VPL-FX200U/FX200E/FX200M) (PAGE 6-2)

●: 7-682-148-01 +P3x8
▲: 7-685-647-79 +BVTP3x10
▼: 7-627-553-17 +P2x2
■: 7-685-660-11 +BVTP4x10
◆: 7-682-904-21 +PWH4x10
★: 7-685-648-79 +BVTP3x12

○: 7-682-546-04 +P3x5
△: 7-682-903-21 +PWH3x8
✙: 7-682-903-41 +PWH3x12
✿: 7-685-651-79 +BVTP3x20
☆: 7-685-133-01 +P2.6x6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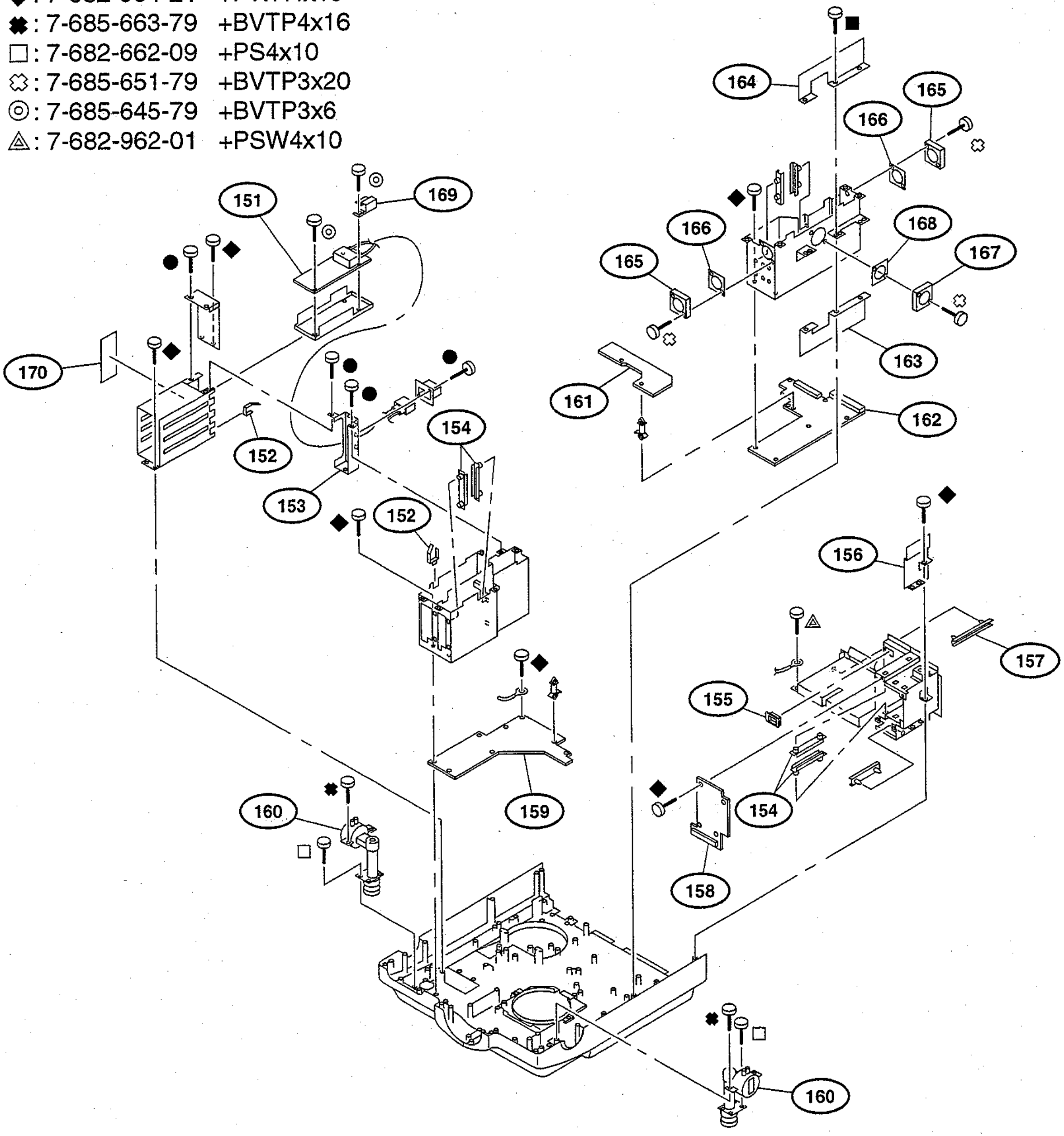
VPL-FX200U/FX200E/FX200M				VPL-X2000U/X2000E/X2000M			
REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
4	*X-4036-941-A	HOOD ASSY	2, 3	4	*X-4036-263-1	HOOD ASSY	2, 3
21	*A-1306-584-A	M COMPL		21	*A-1306-561-A	M COMPL	

Section 6
Exploded Views

6-4. Chassis Block 3 (VPL-FX200U/FX200E/FX200M) (PAGE 6-6)

●: 7-682-148-01 +P3x8
■: 7-685-660-11 +BVTP4x10
◆: 7-682-904-21 +PWH4x10
✖: 7-685-663-79 +BVTP4x16
□: 7-682-662-09 +PS4x10
✣: 7-685-651-79 +BVTP3x20
◎: 7-685-645-79 +BVTP3x6
⚠: 7-682-962-01 +PSW4x10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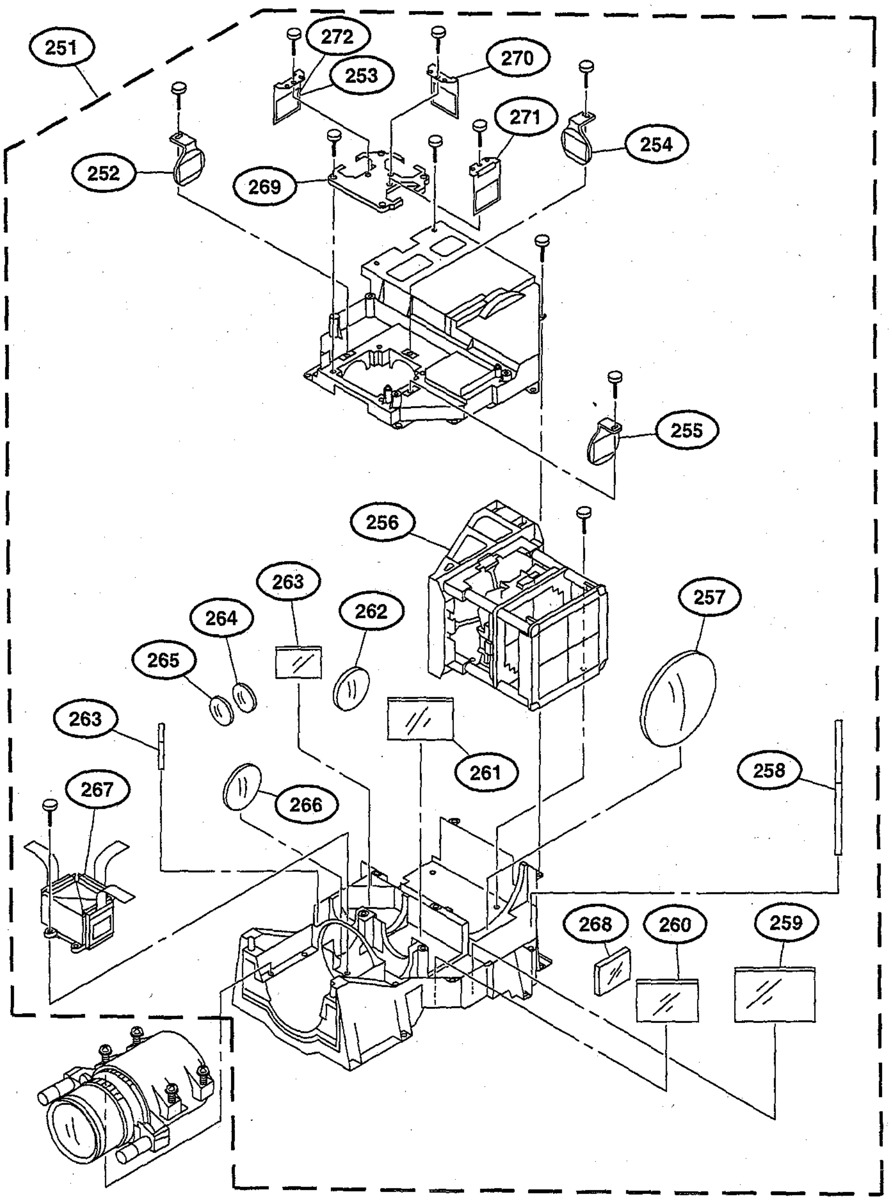
VPL-FX200U/FX200E/FX200M				VPL-X2000U/X2000E/X2000M			
REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
151	⚠ 1-468-439-11	POWER BLOCK		151	⚠ 1-468-286-11	POWER BLOCK	

Section 6
Exploded Views

6-6. Optical Block (VPL-FX200U/FX200E/FX200M) (PAGE 6-8)



REF NO.	PART NO.	DESCRIPTION	REMARK
251	1-758-371-11	OPTICAL UNIT	252-272
252	9-884-265-01	POLARIZER, R	
253	9-882-839-01	POLARIZER, R-STANDARD-OUT	
254	9-884-262-01	POLARIZER, G/CONDENSER LENS	
255	9-884-263-01	POLARIZER, B/CONDENSER LENS	
256	* 9-884-260-01	FLYEYE/PS CONVERTER BLOCK	
257	* 9-881-922-01	MAIN CONDENSER LENS	
258	* 9-881-931-01	MIRROR A	
259	* 9-881-934-01	GR REFLECTION DICHROIC MIRROR	
260	* 9-881-932-01	MIRROR B	
261	9-881-935-01	G REFLECTION DICHROIC MIRROR	
262	* 9-881-926-01	LENS A, RELAY	
263	* 9-881-933-01	MIRROR C	
264	* 9-884-264-01	LENS B, RELAY	
265	* 9-881-928-01	LENS C, RELAY	
266	* 9-881-929-01	RED CONDENSER LENS	
267	A-1501-619-A	PRISM BLOCK ASSY	
268	* 9-884-266-01	UV PROOF GLASS	
269	* 9-882-843-01	PRISM BLOCK LID	
270	9-882-841-01	POLARIZER, G-OUT	
271	9-882-842-01	POLARIZER, B-OUT	
272	9-882-840-01	POLARIZER, R-TELEZOOM-OUT	

Section 7
Electrical Parts List
6-6. Optical Block (VPL-FX200U/FX200E/FX200M) (PAGE 6-8)

Page	Model Name Change Items	VPL-FX200U/FX200E/FX200M	VPL-X2000U/X2000E/X2000M
7-36	M COMPL ************	A-1306-584-A	A-1306-561-A
7-50	MISCELLANEOUS ********************		
	POWER BLOCK	⚠1-468-439-11	⚠1-468-286-11
7-51	ACCESSORY ****************		
	OPEARTING INSTRUCTIONS (ENGLISH/FRENCH/SPANISH)	3-867-467-11 (FX200U/FX200E/FX200M)	3-865-344-11 (X2000U/X2000E/X2000M)
	OPEARTING INSTRUCTIONS (GERMAN/ITALIAN)	3-867-467-21 (FX200E)	3-865-344-21 (X2000E)
	OPEARTING INSTRUCTIONS (CHINESE)	3-867-467-31 (FX200M)	3-865-344-31 (X2000M)
	MANUAL, INSTALLATION (ENGLISH/FRENCH/SPANISH)	3-867-468-11 (FX200U/FX200E/FX200M)	3-865-345-11 (X2000U/X2000E/X2000M)
	MANUAL, INSTALLATION (GERMAN/ITALIAN)	3-867-468-21 (FX200E)	3-865-345-21 (X2000E)
	MANUAL, INSTALLATION (CHINESE)	3-867-468-31 (FX200M)	3-865-345-31 (X2000M)

English
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Printed in Japan
9-929-657-01
Broadcasting & Professional Systems Company
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SERVICE MANUAL

MODEL	DEST.	MODEL	DEST.
VPL-X2000U	US/CND	IFB-X2000E	AEP
VPL-X2000E	AEP	PSS-2000	WORLD
VPL-X2000M	E	SU-PJ2000	WORLD

LCD DATA PROJECTOR

SONY®

⚠ WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injuly, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ Á L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS ÁLA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MAPQUE ! SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES CONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

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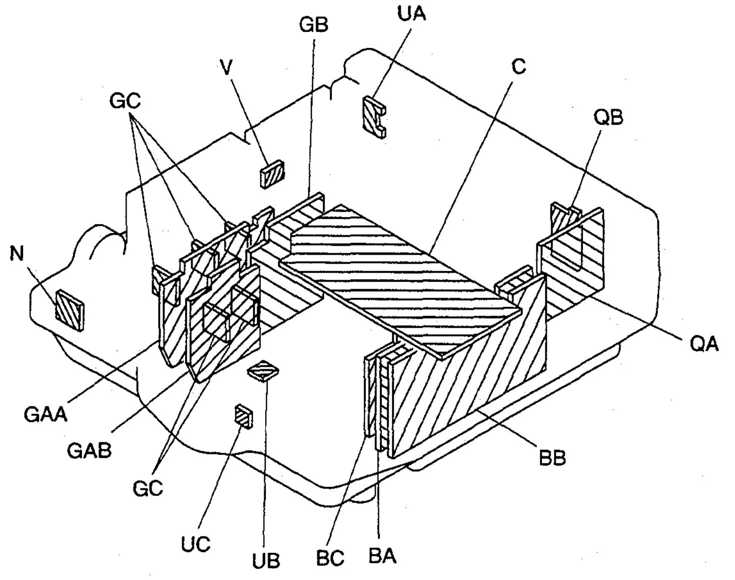
SECTION 2
SERVICE INFORMATIONS

2-1. CIRCUIT BOARDS LOCATION


GB
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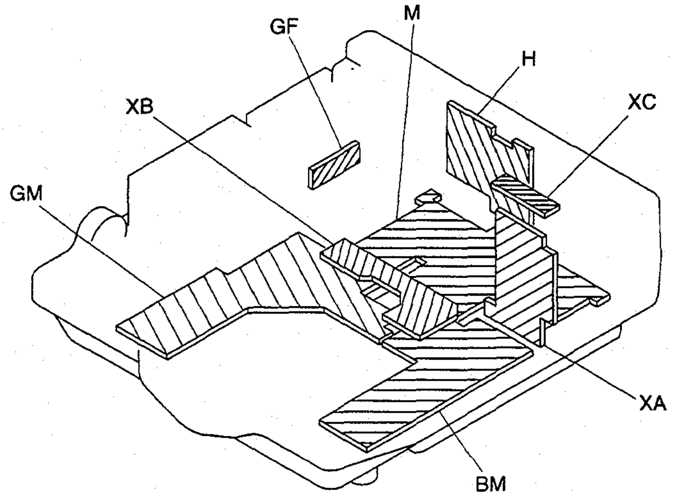
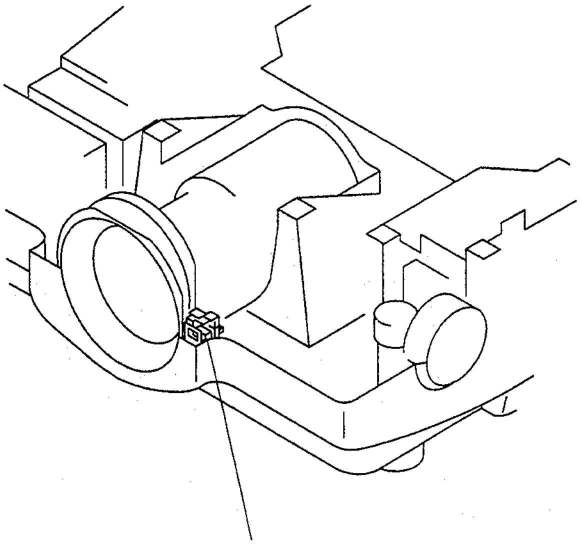

GF
M
H
XB
XC
GM
XA
BM

2-2. PRECAUTIONS ON ELECTRICAL MEASUREMENTS

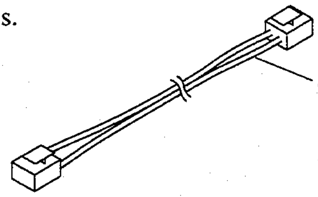
(1) A lens cover detection switch (UC board) is provided at the part for attaching the projection lens to prevent power from being supplied when the lens hood is disconnected. When performing electrical measurements with the lens hood open, fix the switch with adhesive tape and clear the protect so that power is supplied.
To attach the lens hood removed, be sure to remove the adhesive tape.



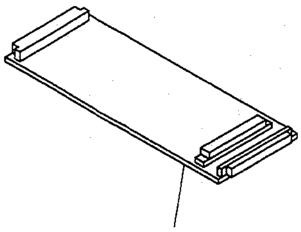
(2) When the C board is removed, various protect functions operate and no power is supplied. Before beginning electrical measurements, clear the protect functions.
①Connect Pin ㉚ (CVR-PRT-CB) and Pin ⑰ (SUB+5V) of CN4002 of the BC board using a 1 kΩ resistor.
②Connect Pin ⑯ (FAN PROT), Pin ③ (GND), Pin ⑰ (TEMP PROT), and Pin ④ of CN3602 of the BB board using wiring.

Be sure to disconnect them after completing measurements.

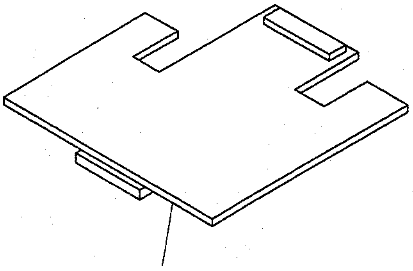
(3) Use the following servicing tools.



Cable (3pin) (1-900-244-53)
Use when inserting the following extension board / XE board (A-1501-122-A) into the GAA and GAB boards.

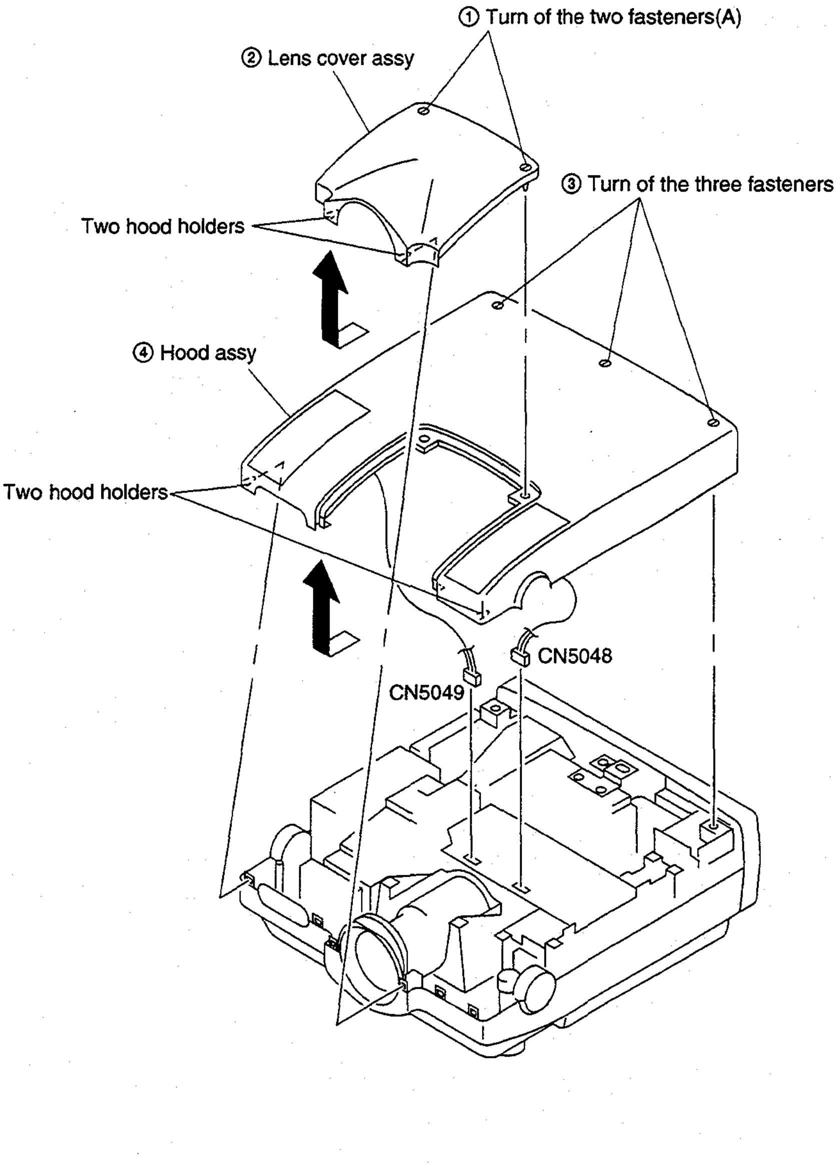


XE board (A-1501-122-A)
For boards BC,GAA,GAB,GB,and QA

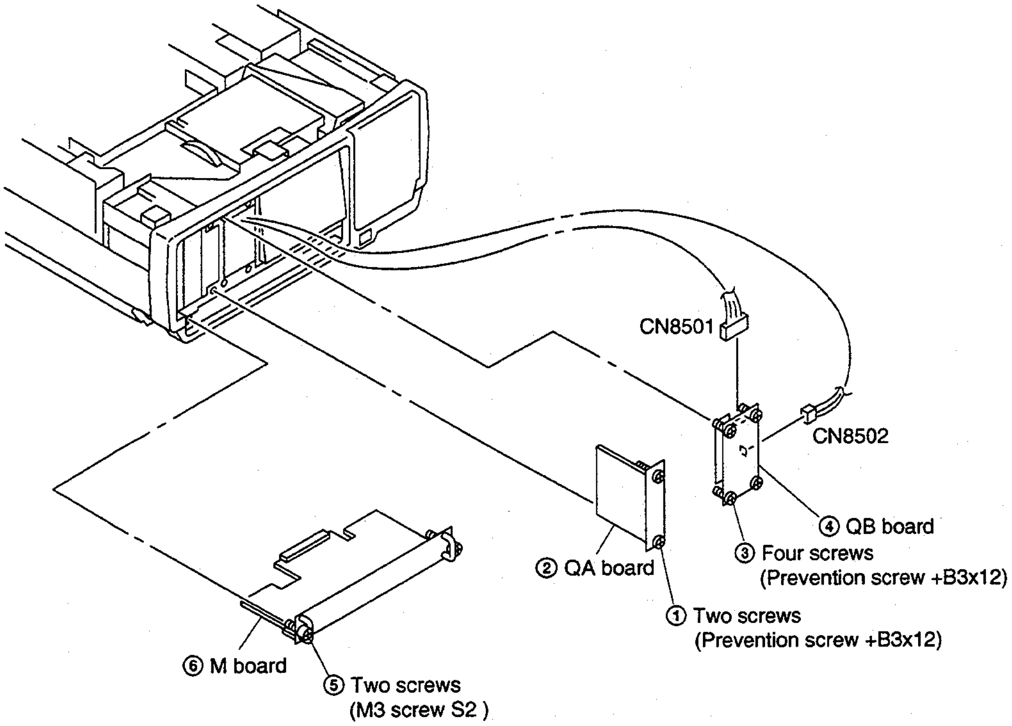


XTA board (A-1390-928-A)
For boards BA and BB

2-3. COVER REMOVAL

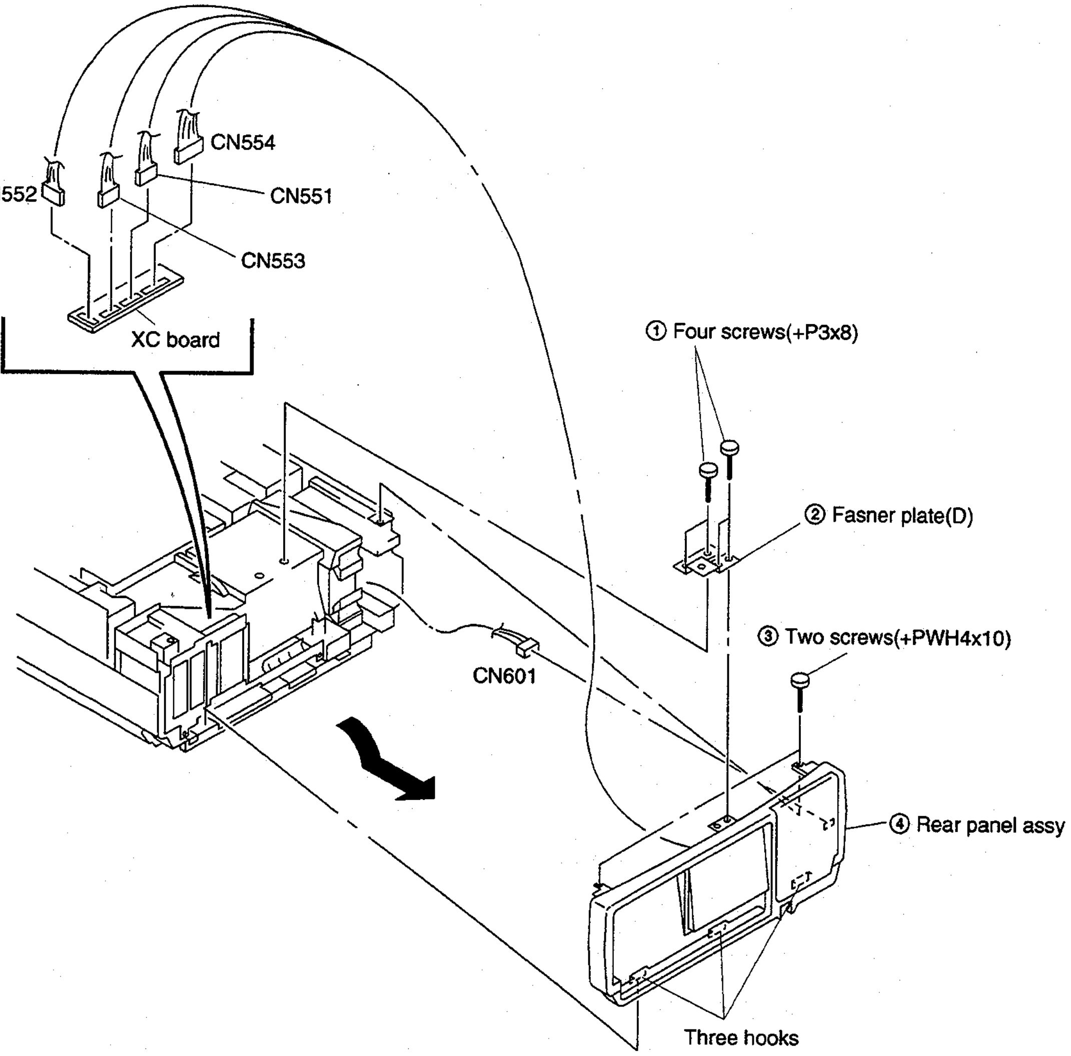

① Turn of the two fasteners(A)
② Lens cover assy
③ Turn of the three fasteners
Two hood holders
④ Hood assy
Two hood holders
CN5048
CN5049

2-4. M,QA AND QB BOARDS REMOVAL


CN8501
CN8502
④ QB board
③ Four screws
(Prevention screw +B3x12)
② QA board
① Two screws
(Prevention screw +B3x12)
⑥ M board
⑤ Two screws
(M3 screw S2)

2-5. REAR PANEL ASSY REMOVAL

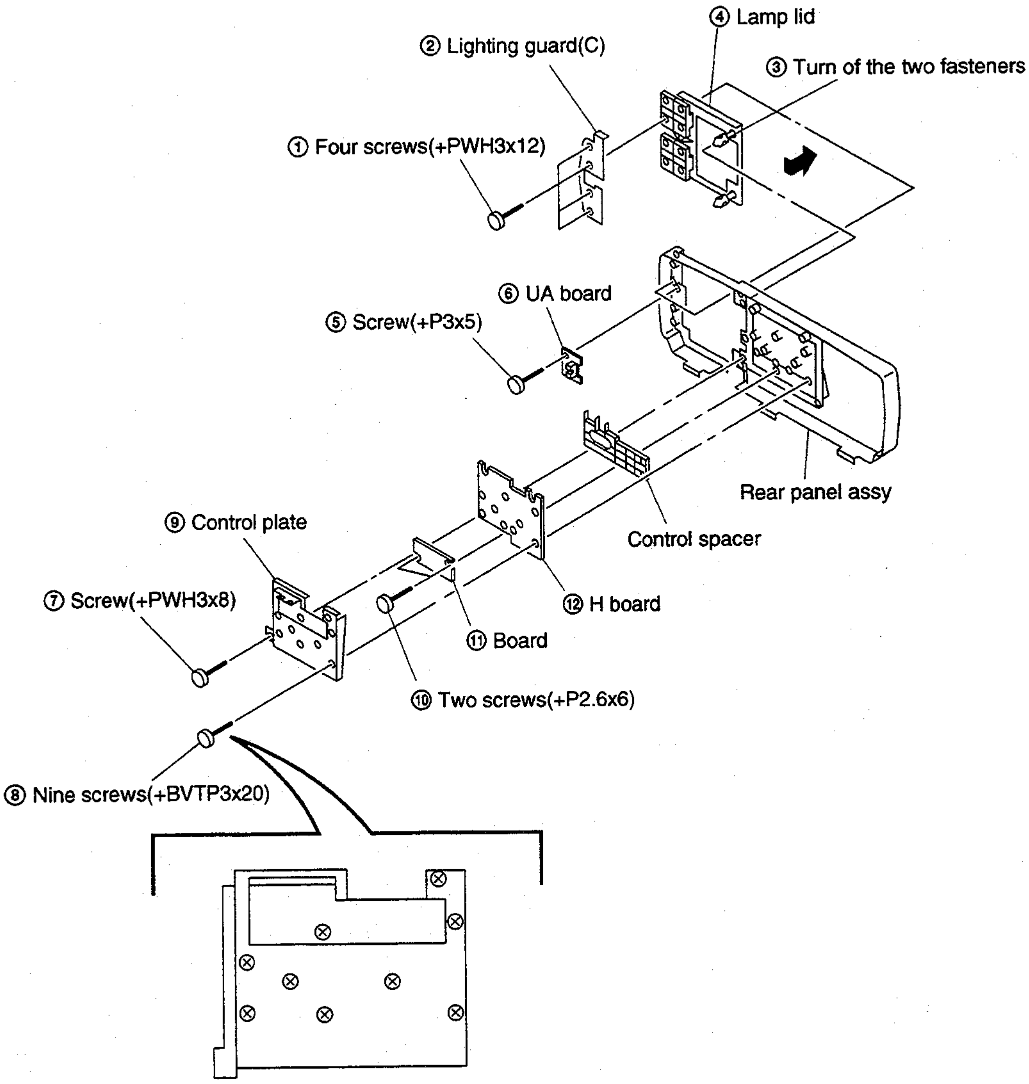
- Remove the M and QB boards.



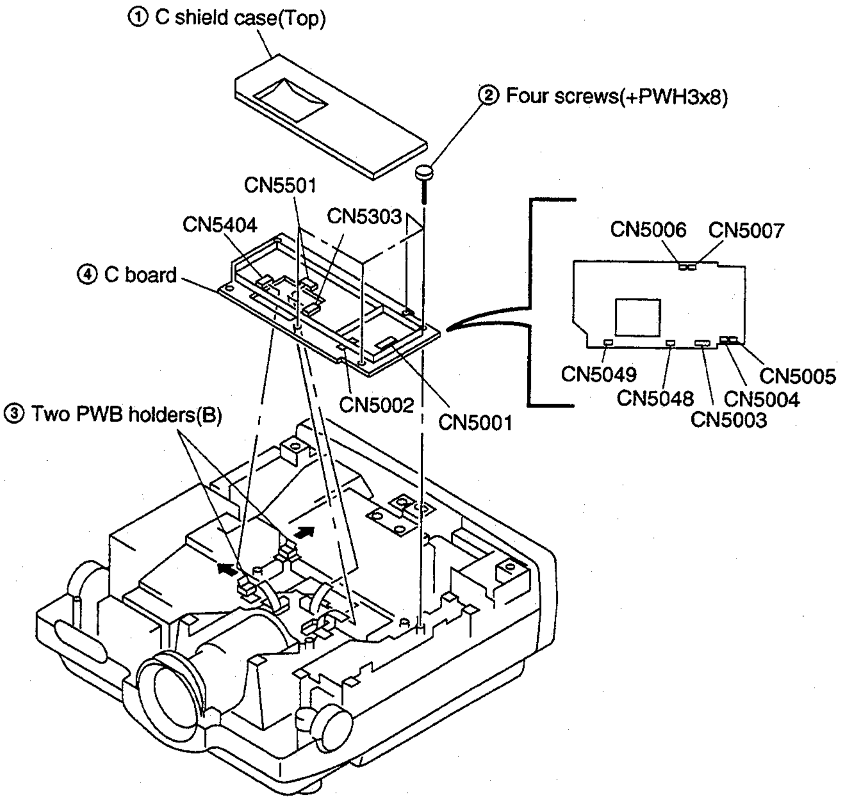
CN554
CN552
CN551
CN553
XC board
① Four screws(+P3x8)
② Fasner plate(D)
③ Two screws(+PWH4x10)
CN601
④ Rear panel assy
Three hooks

2-6. UA AND H BOARDS REMOVAL

•Remove the rear cover assy.

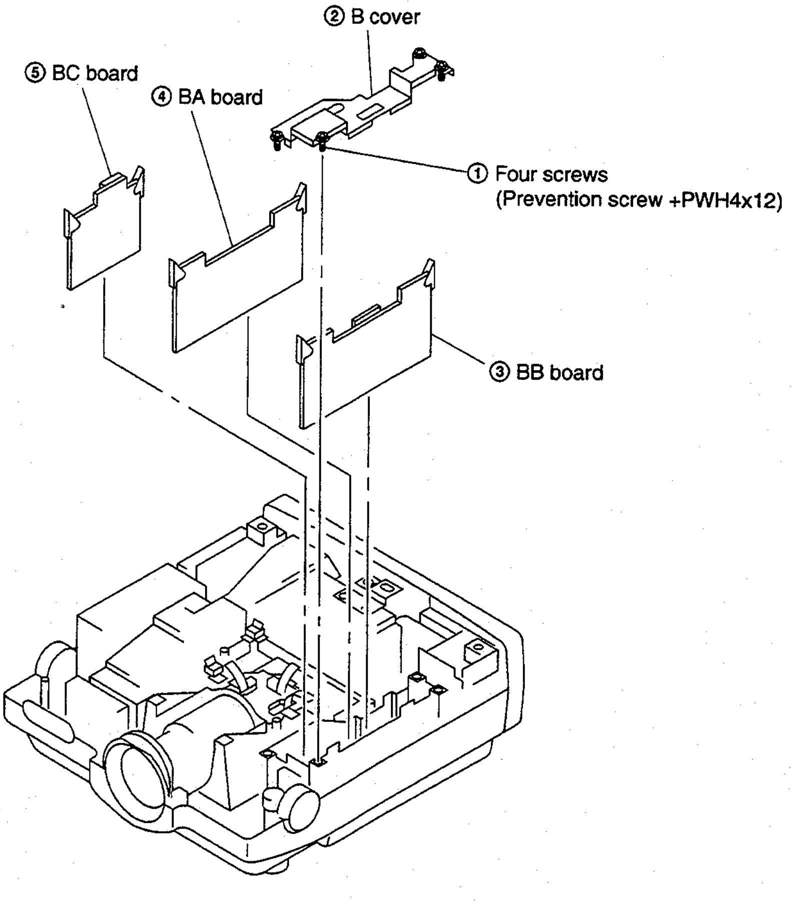

④ Lamp lid
② Lighting guard(C)
③ Turn of the two fasteners
① Four screws(+PWH3x12)
⑥ UA board
⑤ Screw(+P3x5)
Rear panel assy
⑨ Control plate
Control spacer
⑦ Screw(+PWH3x8)
⑫ H board
⑪ Board
⑩ Two screws(+P2.6x6)
⑧ Nine screws(+BVTP3x20)

2-7. C BOARD REMOVAL

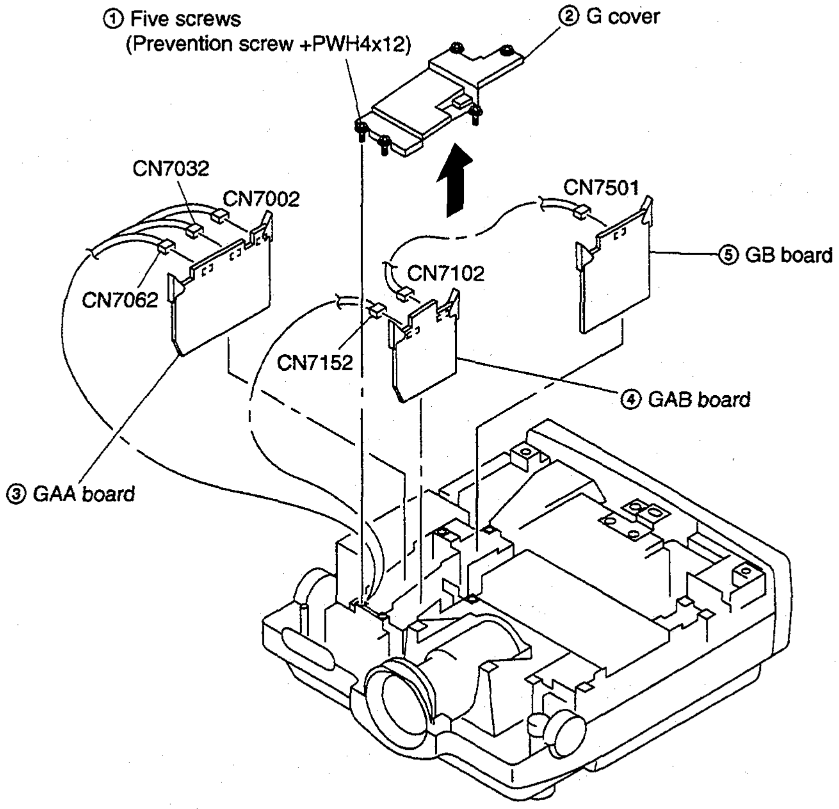

① C shield case(Top)
② Four screws(+PWH3x8)
CN5501
CN5404
CN5303
④ C board
CN5006
CN5007
CN5049
CN5048
CN5005
CN5004
CN5003
CN5002
CN5001
③ Two PWB holders(B)

2-8. BA,BB AND BC BOARDS REMOVAL

- Remove the C board.

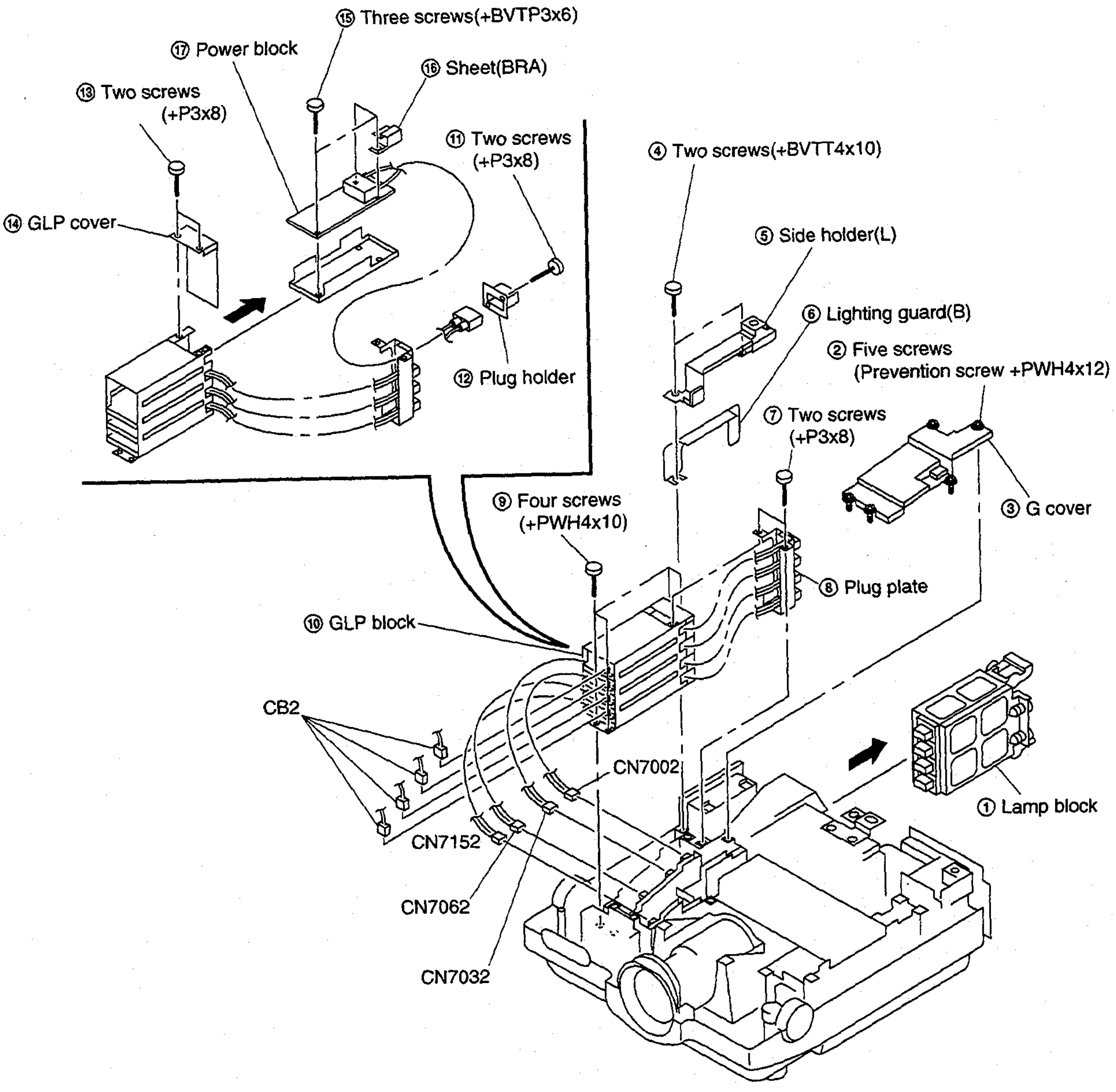

② B cover
⑤ BC board
④ BA board
① Four screws
(Prevention screw +PWH4x12)
③ BB board

2-9. GAA,GAB AND GB BOARDS REMOVAL


① Five screws
(Prevention screw +PWH4x12)
② G cover
CN7032
CN7002
CN7501
⑤ GB board
CN7102
CN7062
CN7152
④ GAB board
③ GAA board

2-10. POWER BLOCK REMOVAL

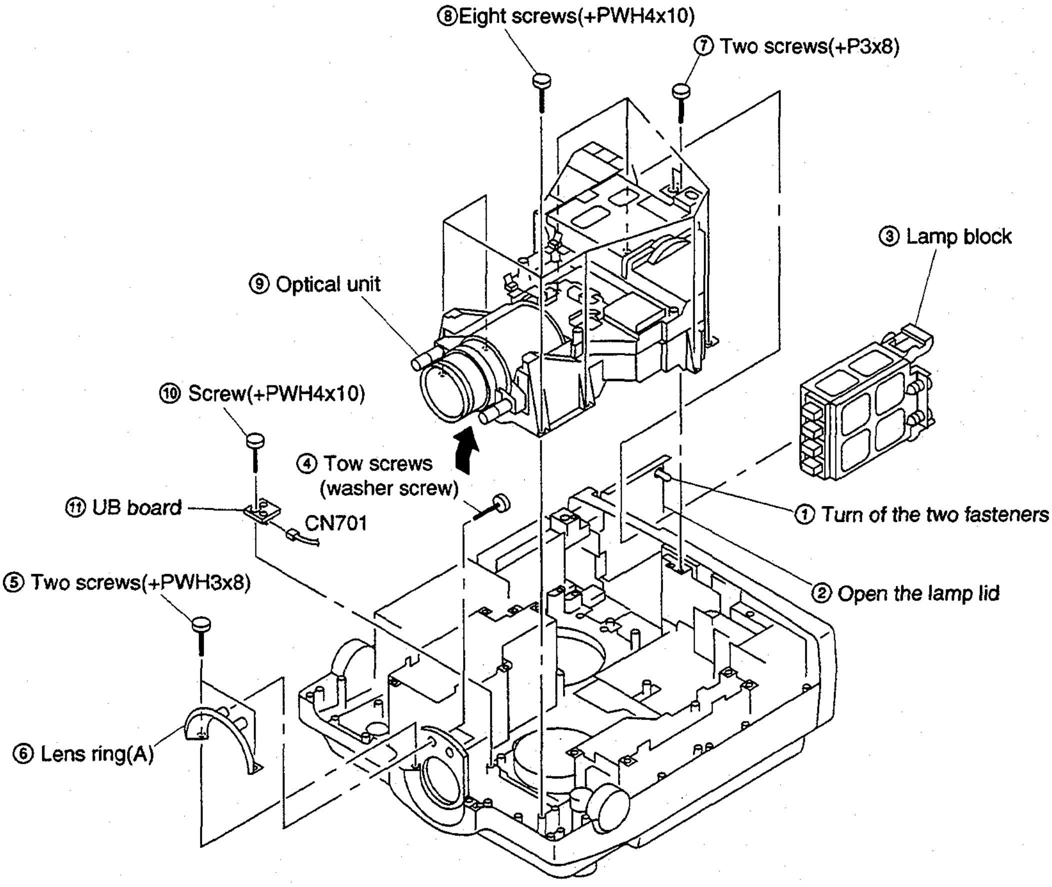
- Remove the rear panel assy.



⑮ Three screws(+BVTP3x6)
⑰ Power block
⑯ Sheet(BRA)
⑬ Two screws (+P3x8)
⑪ Two screws (+P3x8)
⑭ GLP cover
⑫ Plug holder
④ Two screws(+BVTT4x10)
⑤ Side holder(L)
⑥ Lighting guard(B)
② Five screws (Prevention screw +PWH4x12)
⑦ Two screws (+P3x8)
③ G cover
⑨ Four screws (+PWH4x10)
⑧ Plug plate
⑩ GLP block
CB2
CN7002
① Lamp block
CN7152
CN7062
CN7032

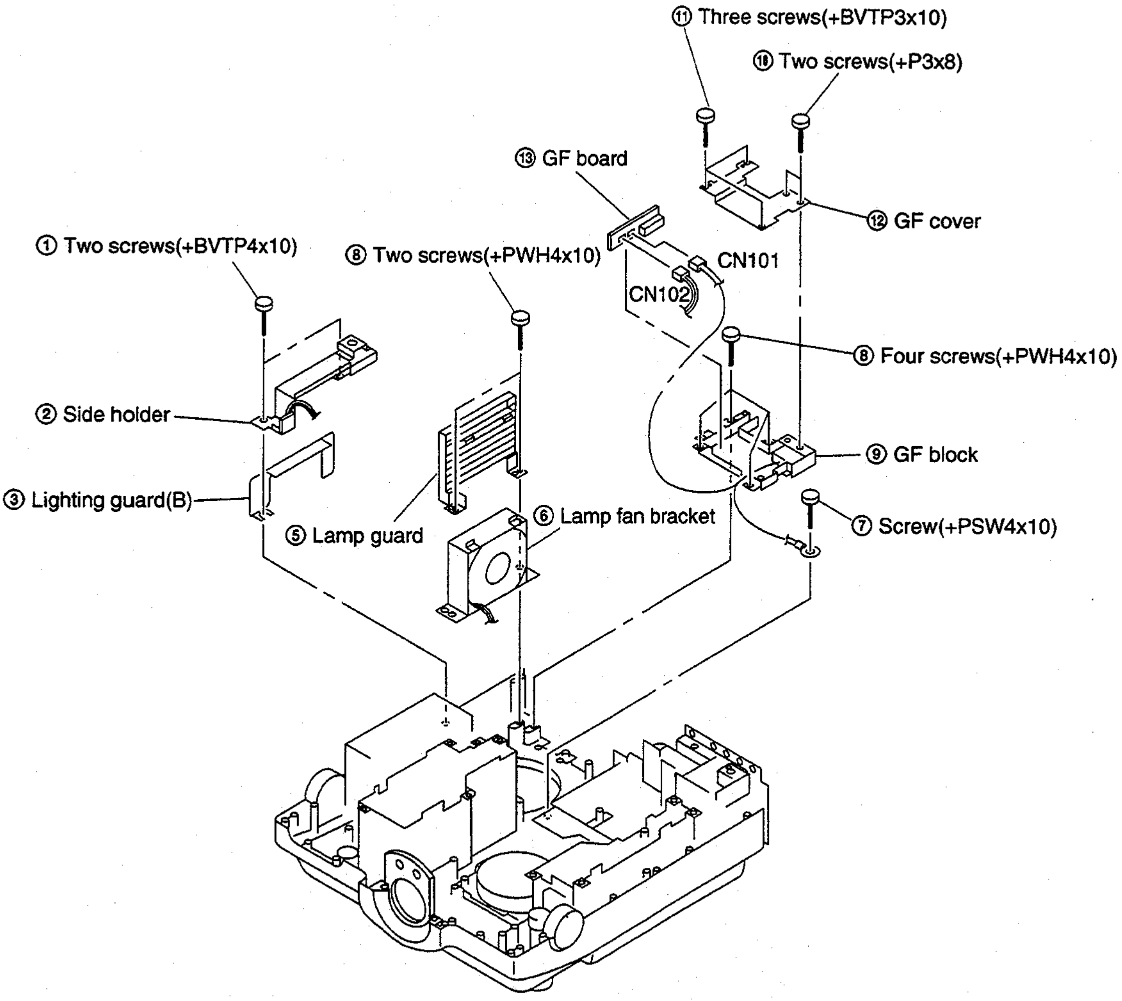
2-11. OPTICAL UNIT AND UB BOARD REMOVAL

•Remove the C board.


⑧Eight screws(+PWH4x10)
⑦ Two screws(+P3x8)
③ Lamp block
⑨ Optical unit
⑩ Screw(+PWH4x10)
④ Tow screws
(washer screw)
⑪ UB board
CN701
① Turn of the two fasteners
② Open the lamp lid
⑤ Two screws(+PWH3x8)
⑥ Lens ring(A)

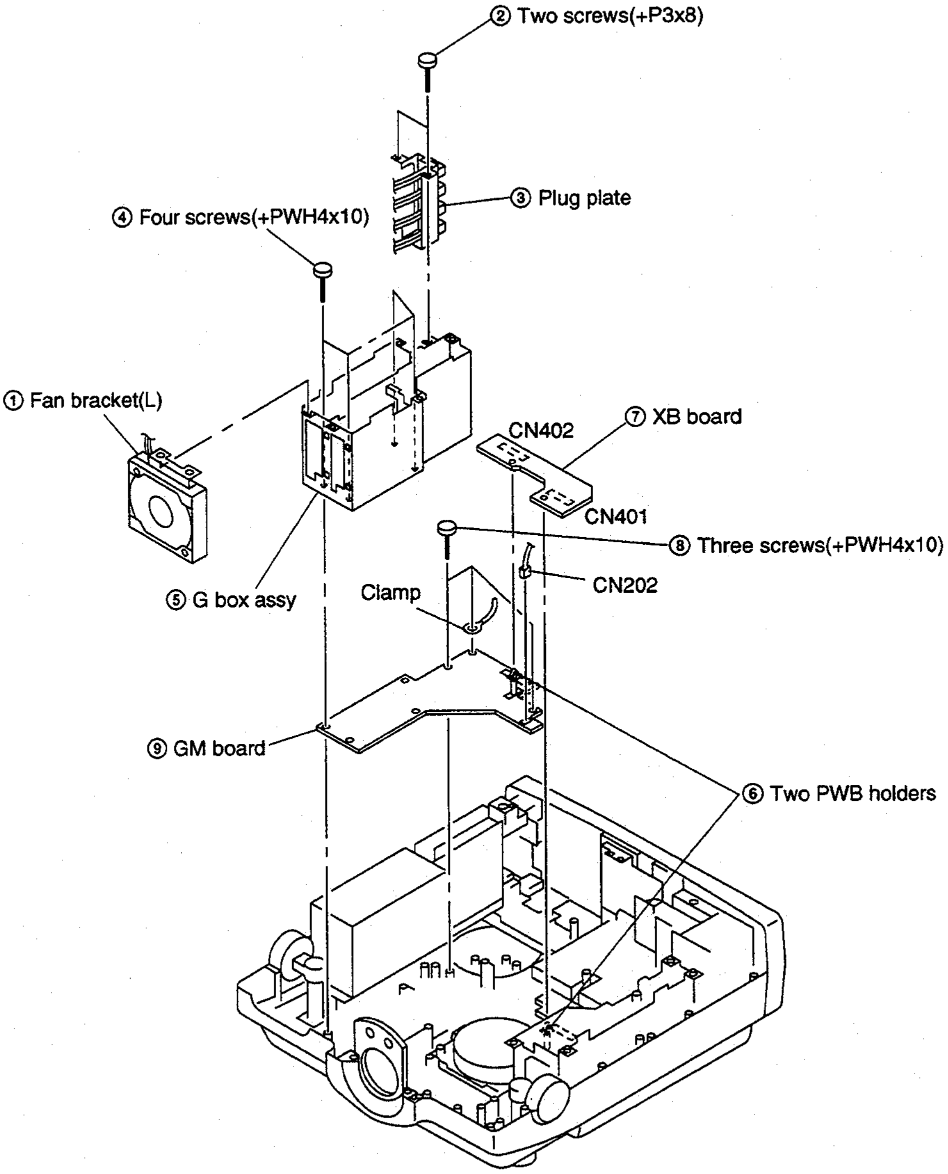
2-12 GF BOARD REMOVAL

- •Remove the optical unit.
- •Remove the rear panel assy.


⑪ Three screws(+BVTP3x10)
⑩ Two screws(+P3x8)
⑬ GF board
⑫ GF cover
① Two screws(+BVTP4x10)
⑧ Two screws(+PWH4x10)
CN101
CN102
⑧ Four screws(+PWH4x10)
② Side holder
⑨ GF block
③ Lighting guard(B)
⑥ Lamp fan bracket
⑤ Lamp guard
⑦ Screw(+PSW4x10)

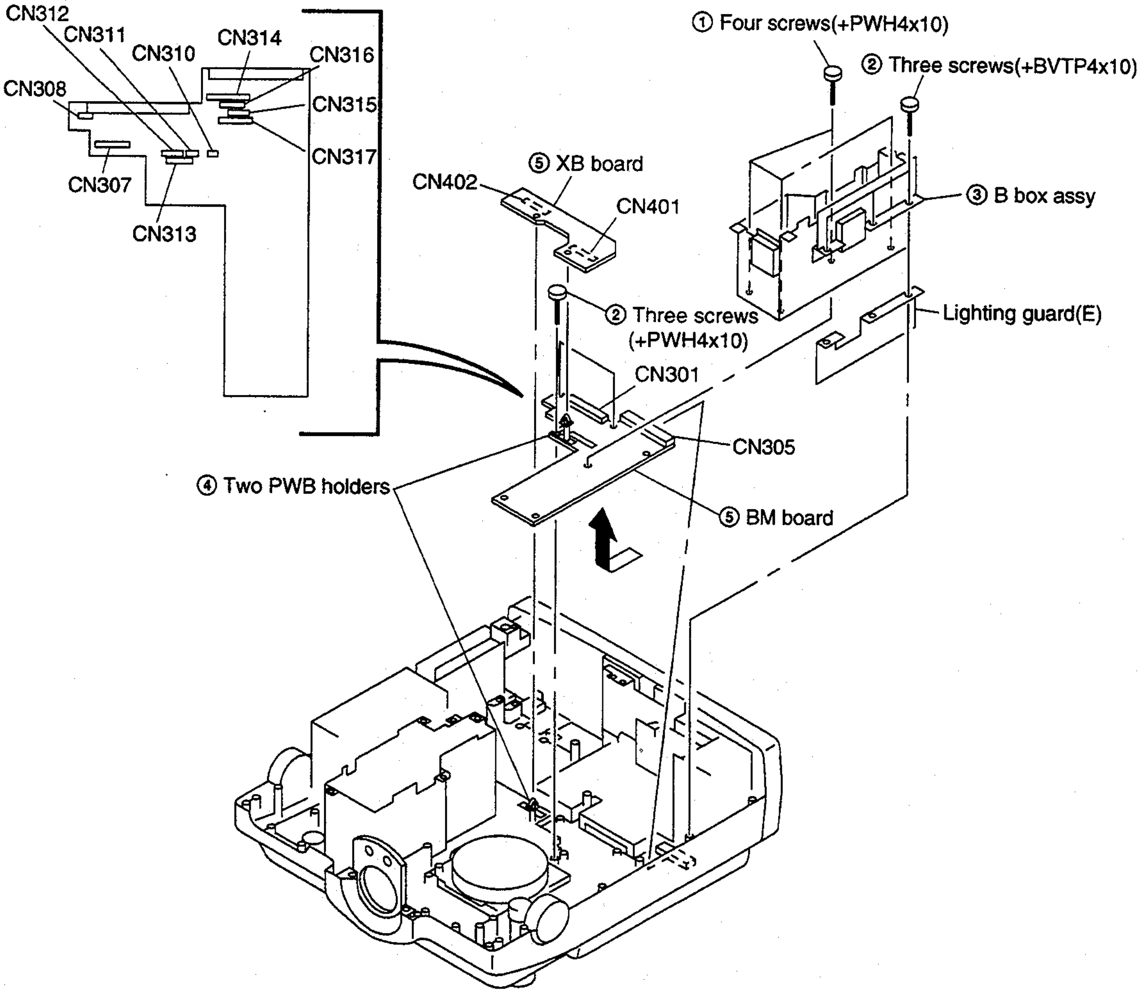
2-13. GM BOARD REMOVAL

- Remove the GAA,GAB and GB boards.
- Remove the optical unit.


② Two screws(+P3x8)
③ Plug plate
④ Four screws(+PWH4x10)
① Fan bracket(L)
CN402
⑦ XB board
CN401
⑧ Three screws(+PWH4x10)
CN202
⑤ G box assy
Clamp
⑨ GM board
⑥ Two PWB holders

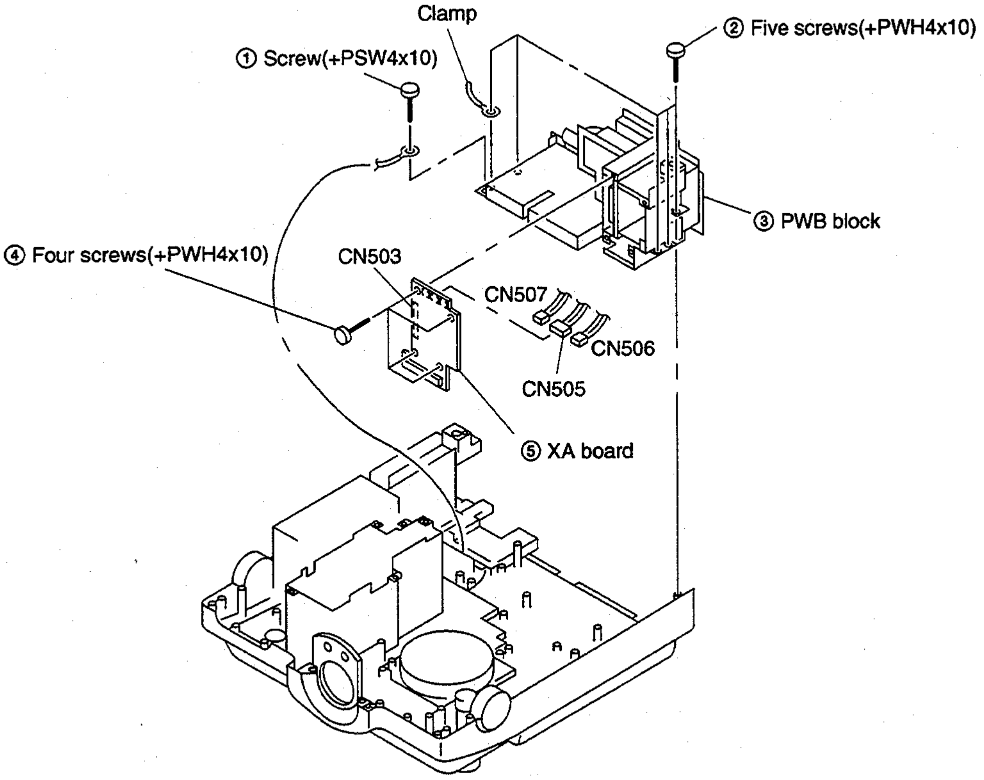
2-14 . BM BOARD REMOVAL

- Remove the BA,BB and BC boards.
- Remove the optical unit.


CN312
CN311
CN310
CN314
CN316
CN308
CN315
CN317
CN307
CN313
① Four screws(+PWH4x10)
② Three screws(+BVTP4x10)
⑤ XB board
CN402
CN401
③ B box assy
② Three screws
(+PWH4x10)
Lighting guard(E)
CN301
CN305
④ Two PWB holders
⑤ BM board

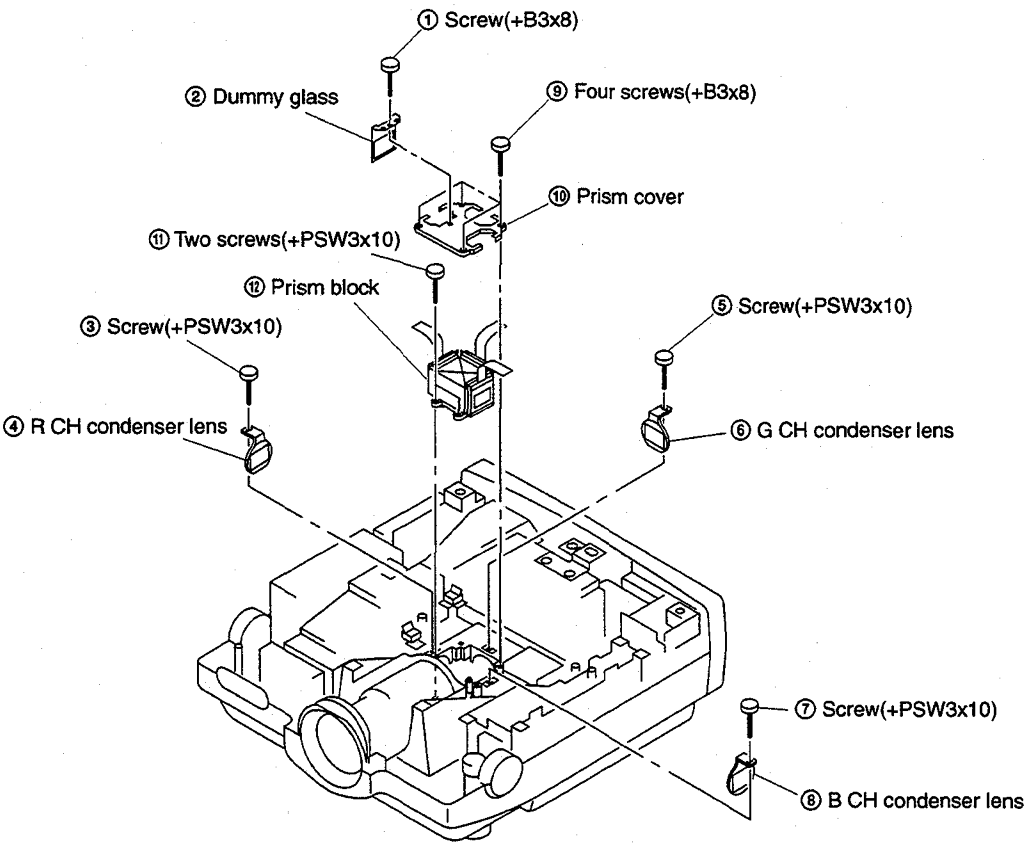
2-15 . XA BOARD REMOVAL

- Remove the BM board.
- Remove the rear panel assy.


Clamp
① Screw(+PSW4x10)
② Five screws(+PWH4x10)
③ PWB block
④ Four screws(+PWH4x10)
CN503
CN507
CN506
CN505
⑤ XA board

2-16 . PRISM BLOCK AND R/G/B CH CONDENSER LENS REMOVAL

•Remove the C board.


① Screw(+B3x8)
② Dummy glass
⑨ Four screws(+B3x8)
⑩ Prism cover
⑪ Two screws(+PSW3x10)
⑫ Prism block
③ Screw(+PSW3x10)
⑤ Screw(+PSW3x10)
④ R CH condenser lens
⑥ G CH condenser lens
⑦ Screw(+PSW3x10)
⑧ B CH condenser lens

SECTION 3
SET-UP ADJUSTMENTS

3-1. ATTACHING THE LENS

1. Attach the lens to the optical unit.
   Press the stopper at the lens side to the stopper at the optical unit side and attach the lens with the 4 screws.
   Connect the focus and zoom cables.

3-2. TURNING ON THE POWER

1. Connect the power cord and supply the power.
2. Check that the STANDBY LED of the control panel lights up in red.

3-3. C BOARD ADJUSTMENTS

3-3-1. SCEN Adjustments

1. Set the service mode.
2. Set the factory mode.
3. Connect the XGA 100IRE all white signal to INPUT-A, and select INPUT-A.
4. Connect an oscilloscope to TP5505 of the C board.
5. Set Device Adjust on the menu, select C-P DRV, and press ENTER.
6. Set SCEN using the ↑ and ↓ keys.
7. Adjust SIGSEN using the ← and → keys so that the 100IRE on the inverted side and 100IRE of the non-inverted side become symmetrical centering around the following voltage.

   From center voltage to GND = 7V ± 0.1V

3-3-2. SID OFST Adjustments

1. Set SID OFST using the ↑ and ↓ keys after completing 3-3-1.
2. Adjust SID OFST using the ← and → keys so that the pedestal level of the non-inverted side becomes the following voltage.

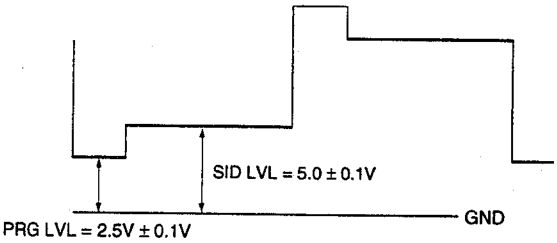
   From pedestal to GND=2.5V ± 0.05V

3-3-3. SID LVL Adjustments

1. Connect the oscilloscope to TP5511.
2. Set SID LVL using the ↑ and ↓ keys and adjust using the ← and → keys so that SID LVL becomes the following voltage.

3-3-4. PRG LVL Adjustment

1. Set PRG LVL using the ↑ and ↓ keys and adjust using the ← and → keys so that PRG LVL becomes the following voltage.
2. Remove the probe of the oscilloscope.



3-3-5. R VCOM Adjustments

Turn off the menu using the STATUS OFF during adjustments (No shield is required)

1. Set R VCOM and check the 1 line ON/OFF signal.
   Adjust the flicker of display to the minimum using the ← and → keys.

3-3-6. G VCOM Adjustments

1. Set G VCOM and check the 1 line ON/OFF signal.
   Adjust the flicker of display to the minimum using the ← and → keys.

3-3-7. B VCOM Adjustment

1. Set B VCOM and check the 1 line ON/OFF signal.
   Adjust the flicker of display to the minimum using the ← and → keys.

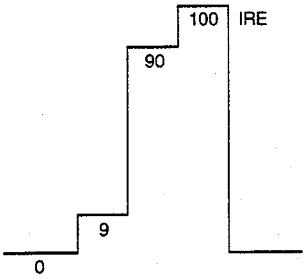
3-4. SIGNAL LEVEL ADJUSTMENTS

3-4-1. RGB Level Checks

1. Set BA MATRIX of Device adjust at the menu, and set 19 ADJ MODE from 0 to 1.
2. Input the XGA BA adjustment signal to the INPUT-A input.
3. Connect the oscilloscope to TP5505 of the C board.
4. Check that 9IRE and 90IRE are not flat.
5. Set the cursor of the oscilloscope to 9IRE and 90IRE.

Adjust GND to the bottom edge in the DC1V range.

INPUT SIGNAL :



3-4-2. Component Level Adjustments

1. Connect the Component signal to INPUT-A, and select COMPONENT at SIGNAL SELECT.
   (15K component 10 step signal Chroma OFF)
2. Set BA MATRIX of Device adjust at the menu.
3. Select 05 SUB BRT, and adjust using the ← and → keys so that the voltage of 10IRE of the oscilloscope matches the cursor at the bottom.
4. Select 01 PICTURE, and adjust using the ← and → keys so that the voltage of 100IRE of the oscilloscope matches the cursor at the top.
5. Set the signal to the component color bar.
   (15K component color bar Chroma ON)
6. Adjust the cursor at the top of the oscilloscope to the bar on the left side bar (white part).
7. Select 12 YUV COL, and adjust using the ← and → keys so that the levels of the right bar and left bar become the same.
8. Select 04 SUB HUE, and adjust using the ← and → keys so that the two bars at the center become flat.
9. Set the signal to the 10 step signal, and return the cursor at the top to 100IRE.
10. Move the cursor to the SAVE TO MEMORY line of device adjust, and press the ENTER key."

3-4-3. VIDEO NTSC Level Adjustments

1. Input the NTSC 100% Color bar signal to the VIDEO input, and switch the input to VIDEO.
   BA MATRIX of device adjust of the menu is set.
2. Select 11 YUV COM, and adjust using the ← and → keys so that the level of the left bar becomes the same as the level of the cursor at the top.
3. Select 12 YUV COL, and adjust using the ← and → keys so that the levels of the right bar and left bar become the same.
4. Select 04 SUB HUE, and adjust using the ← and → keys so that the two bars at the center become flat.-

3-4-4. VIDEO PAL Level Adjustments

1. Input the PAL 100% Color bar signal to the VIDEO input.
   BA MATRIX of device adjust of the menu is set.
2. Select 11 YUV COM, and adjust using the ← and → keys so that the level of the left bar becomes the same as the level of the cursor at the top.
3. Select 12 YUV COL, and adjust using the ← and → keys so that the levels of the right bar and left bar become the same.
4. Select 04 SUB HUE, and adjust using the ← and → keys so that the two bars at the center become flat.
5. Move the cursor to the SAVE TO MEMORY line of device adjust, and press the ENTER key."

3-4-5. Y/PB/PR Level Adjustments

1. Input the HDVS 100% Color bar signal to INPUT-A, select INPUT-A, and select Y/PB/PR using SIGNAL SELECT.
2. Set BA MATRIX of Device adjust at the menu.
3. Select 11 YUV COM, and adjust using the ← and → keys so that the level of the left bar becomes the same as the level of the cursor at the top.
4. Select 12 YUV COL, and adjust using the ← and → keys so that the levels of the right bar and left bar become the same.
5. Select 04 SUB HUE, and adjust using the ← and → keys so that the two bars at the center become flat.
6. Move the cursor to the SAVE TO MEMORY line of device adjust, and press the ENTER key."

3-4-6. 15KRGB Level Adjustments

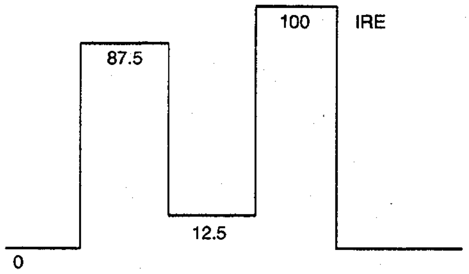
1. Input the 15K RGB 100% Color bar signal to INPUT-A, select INPUT-A, and select RGB using SIGNAL SELECT.
2. Set BA MATRIX of Device adjust at the menu.
3. Select 11 YUV COM, and adjust using the ← and → keys so that the level of the left bar becomes the same as the level of the cursor at the top.
4. Select 12 YUV COL, and adjust using the ← and → keys so that the levels of the right bar and left bar become the same.
5. Select 04 SUB HUE, and adjust using the ← and → keys so that the two bars at the center become flat.
6. Move the cursor to the SAVE TO MEMORY line of device adjust, and press the ENTER key."

3-4-7. W/B HIGH Adjustments

1. Input the W/B HIGH adjustment signal to INPUT-A, and connect an oscilloscope to TP5505.
2. Set BB GAMMA of Device adjust of the menu.
3. Set LEVEL:1, and adjust the cursor at the bottom of the oscilloscope to the same level as the signal.
4. Set LEVEL:7, and adjust the cursor at the top of the oscilloscope to the same level as the signal.
5. Set W/B Adjust HIGH on the menu.
6. Adjust Blue BIAS so that the 12.5IRE part of the W/B HIGH adjustment signal matches the cursor at the bottom of the oscilloscope.
7. Adjust Blue GAIN so that the 87.5IRE part of the W/B HIGH adjustment signal matches the cursor at the top of the oscilloscope.
8. Perform the tracking of (6) and (7).
9. Input the W/B HIGH adjustment signal to INPUT-A, and connect an oscilloscope to TP5502.
10. Set BB GAMMA of Device adjust of the menu.
11. Set LEVEL:1, and adjust the cursor at the bottom of the oscilloscope to the same level as the signal.
12. Set LEVEL:7, and adjust the cursor at the top of the oscilloscope to the same level as the signal.
13. Set WB Adjust HIGH on the menu.
14. Adjust Green BIAS so that the 12.5IRE part of the W/B HIGH adjustment signal matches the cursor at the bottom of the oscilloscope.
15. Adjust Green GAIN so that the 87.5IRE part of the W/B HIGH adjustment signal matches the cursor at the top of the oscilloscope.
16. Perform the tracking of (14) and (15).

Adjust GND to the bottom edge in the DC1V range.

INPUT SIGNAL :



17. Input the W/B HIGH adjustment signal to INPUT-A, and connect an oscilloscope to TP5508.
18. Set BB GAMMA of Device adjust of the menu.
19. Set LEVEL:1, and adjust the cursor at the bottom of the oscilloscope to the same level as the signal.
20. Set LEVEL:7, and adjust the cursor at the top of the oscilloscope to the same level as the signal.
21. Set WB Adjust HIGH on the menu.
22. Adjust Red BIAS so that the 12.5IRE part of the W/B HIGH adjustment signal matches the cursor at the bottom of the oscilloscope.
23. Adjust Red GAIN so that the 87.5IRE part of the W/B HIGH adjustment signal matches the cursor at the top of the oscilloscope.
24. Perform the tracking of 22 and 23.
25. Select SAVE TO MEMORY at the W/B ADJUST page of the menu, press ENTER, and save the data.
26. Set Device adjust of the menu, select BA MATRIX, and return the 19 ADJ MODE from 1 to 0.
27. Press ENTER, select SAVE TO MEMORY of the menu, press ENTER again, and save the data.

3-5. ADJUSTMENTS IN REPLACEMENT OF PRISM

Perform the following adjustments after replacement of the prism.

3-5-1. Set the factory mode

When "ENTER", "ENTER", "←", and "ENTER" are pressed in the service mode, the screen will ask "do you want to set the factory mode". Set the factory mode according to the screen.

3-5-2. VCOM Adjustment

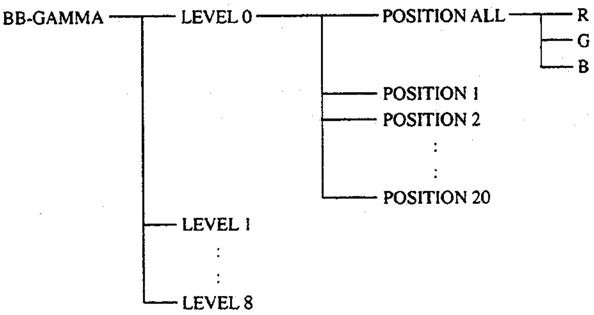
The bottom most menu item on the main menu is the Device Adjustment Menu. Set this menu and select "C-P DRV". Perform V COM adjustments for each of the item "V COM/R", "V COM/G", and "V COM/B".
In the above mode, as the built-in test pattern will be output, adjust so that flicker is minimum throughout the whole screen.

3-5-3. Adjustment of Polarization Plate

Select "BB-GAMMA" on the device adjustment menu.
This will display "LEVEL 0" and "POSITION ALL", and the whole screen will become black. In this state, adjust the respective polarization plate until the black becomes the darkest.

3-5-4. Adjustment of 3Dγ (Outline)

The principle of 3Dγ is described before the adjustment of 3Dγ. 3Dγ is like a function which can individually adjust W/B at a total of 180 points brightness 9 levels, horizontal direction 5 points, vertical direction 4 points (9*5*4=180 points).
So altogether 540 adjustments (180*3 (RGB)=540) will be required, which is in practice not possible. The following describes a simpler method.
First the "BB-GAMMA" menu consists of the following hierarchy.



When adjusting a certain LEVEL, automatically the internal signal (flat field) of that level will be displayed.

3-5-5. Adjustments of 3Dγ (Adjusting Method)

1. First input "BB-GAMMA".
2. Set LEVEL to 1.
3. Study the uniformity of the whole screen, and locate the areas where uniformity is poor.
4. Changing "POSITION" to 1, 2, or 3 will display the cursor. The position of the cursor is the position which will be adjusted.
   Move the cursor to the area with poor uniformity.
5. Move "R" and "B" up and down, and adjust so that the uniformity is the same as the other areas.
6. Set LEVEL 2.
7. Like steps 3, 4, and 5, adjust the areas with poor uniformity.
8. Adjust up to LEVEL 7.
9. Study the test pattern from LEVEL 1 to LEVEL 7, and if no problems, return to the first hierarchy, adjust the device, and save the data in SAVE TO MEMORY.

Precautions:

1. Basically adjust RED and BLUE only without changing GREEN.
2. Do not change POSITION ALL.
3. Do not adjust LEVEL 0 and LEVEL 8.
4. To set back factory settings should adjustments fail, skip "SAVE TO MEMORY", press the STANDBY key, and turn off the power. All the adjusted data will be set back to factory settings.
   Factory settings cannot be set back however if "SAVE TO MEMORY" has already been implemented. So check the picture quality carefully prior to implementing "SAVE TO MEMORY".
5. For zoom lens, the uniformity will change slightly according to the zoom position.
   As uniformity will change slightly according to the F number of the lens, perform the adjustments on the projection system under the normal using conditions.
6. Do not change other items in the Device Adjust Menu.
   The device adjust menu contains important parameters for machine operations.
   Unnecessary operations will result in "no image" and "abnormal image".
   "Factory reset" cannot be performed on device adjust menu items.
   (Implementing SAVE TO MEMORY will completely overwrite the data.)
   Do not change data unnecessarily.

3-5-6. W/B LOW Adjustments

1. Switch the INPUT-A input signal to the VGA 80 IRE flat field signal, and set to COLOR TEMP LOW. Set GAIN R, G, B and BIAS R, G, B to the same value as the HIGH data.
2. Next increase the value of Red GAIN by 25.
3. Perform tracking so that the following specification is satisfied.
   Adjust G and B without changing Red GAIN.
   80 IRE White Chrominance
   <Specification> (x, y)=(0.300 ± 0.003, 0.330 ± 0.003)
4. Switch the INPUT-A input signal to the VGA 20 IRE flat field signal.
5. Adjust the W/B adjust BIAS G and BIAS B data so that the white color temperature satisfies the following specification.
   20 IRE White Chrominance
   <Specification> (x, y)=(0.300 ± 0.003, 0.330 ± 0.003)
6. Switch the INPUT-A input signal to the 80 IRE flat field signal.
7. Adjust the W/B adjust GAIN G and GAIN B data so that the white chrominance satisfies the following specification.
   80 IRE White Chrominance
   <Specification> (x, y)=(0.300 ± 0.003, 0.330 ± 0.003)
8. Repeat steps 4 to 7 to perform tracking so that the specification is satisfied.

3-6. M BOARD ADJUSTMENT

3-6-1. Current Detection 0 Set Adjustment

Set CONTROL-S IN to no lord (open).

Adjust RV2901 so that TP2901 (0 set) becomes 30 mV ± 10 mV.

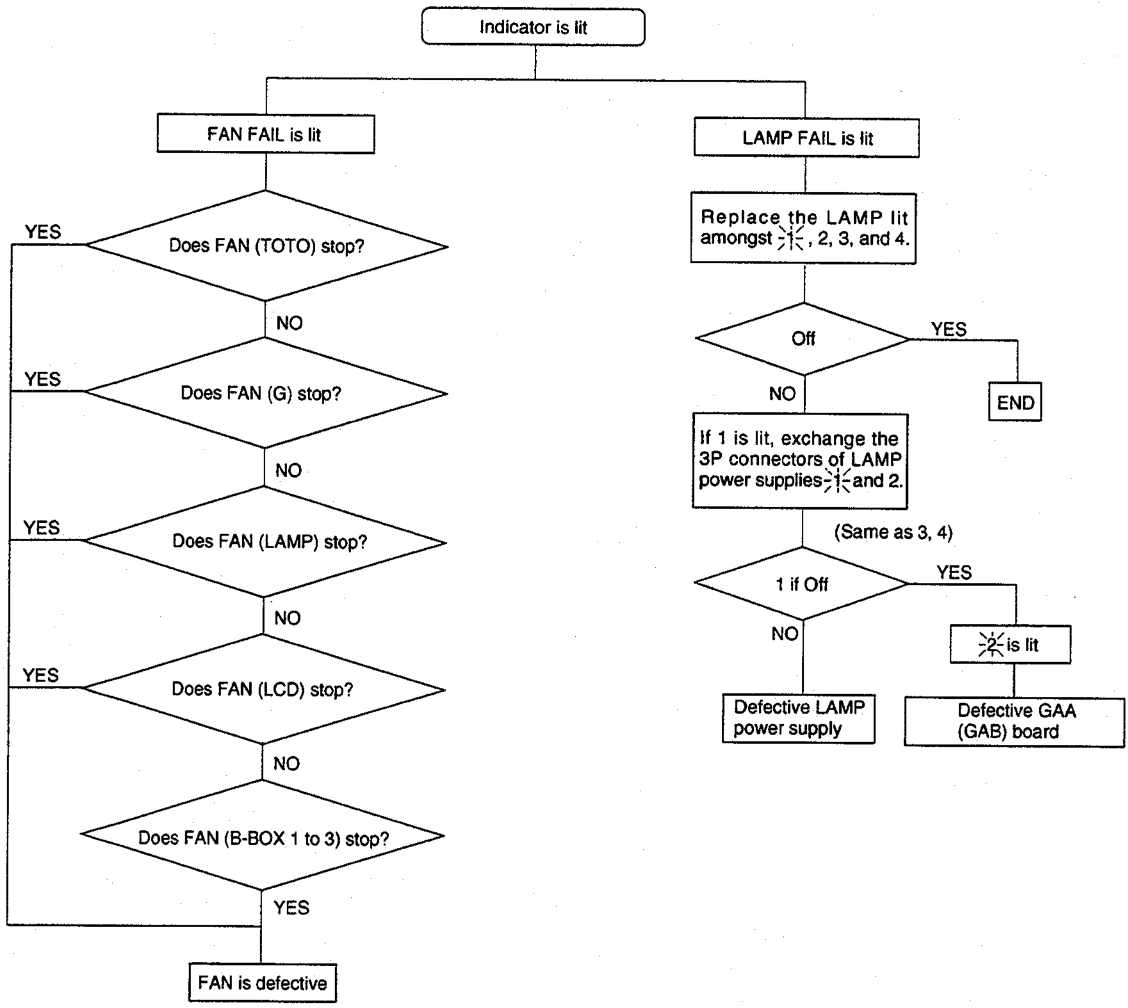
SECTION 4
TROUBLE SHOOTING

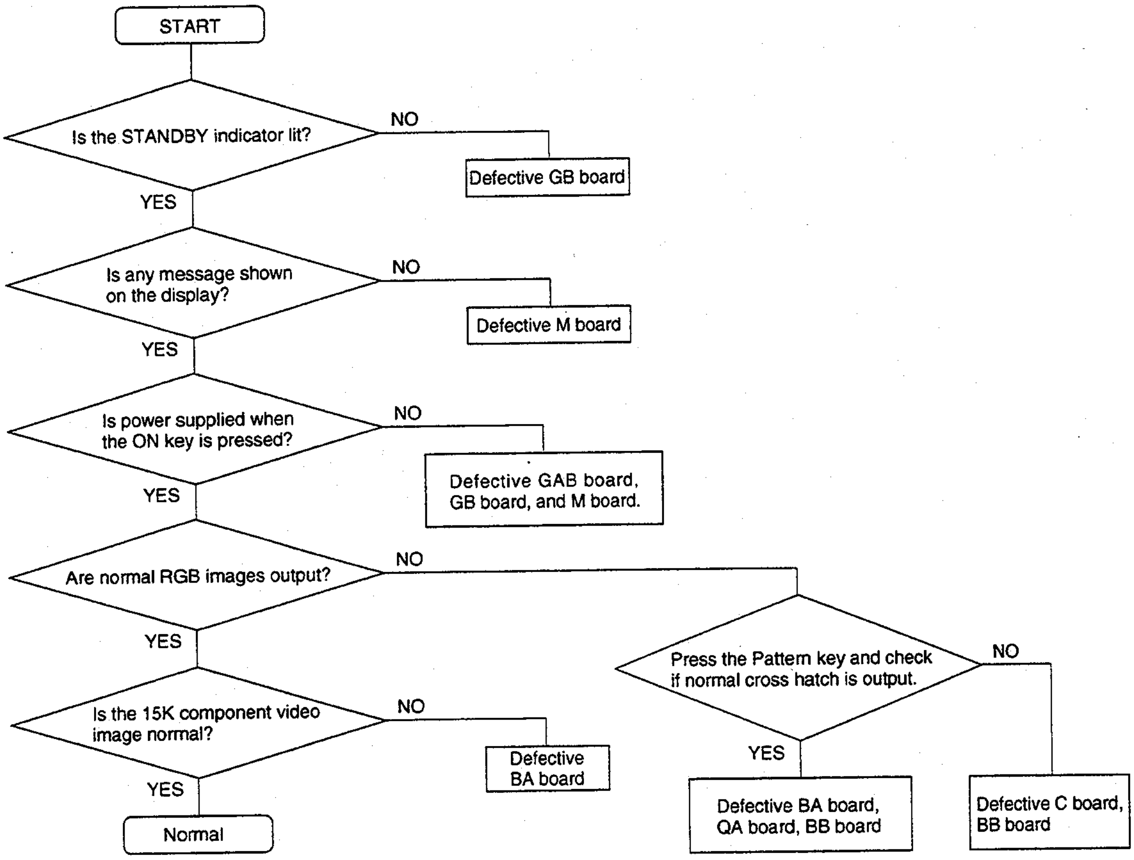
As most of the boards of X2000 are of the slot type, the following are flowcharts for checking "which board is defective" the fastest.

The flowcharts show highly probable malfunctions, so that may not be useful for all defects.

Where more than 2 defective boards are indicated, the first board is more likely to become defective.

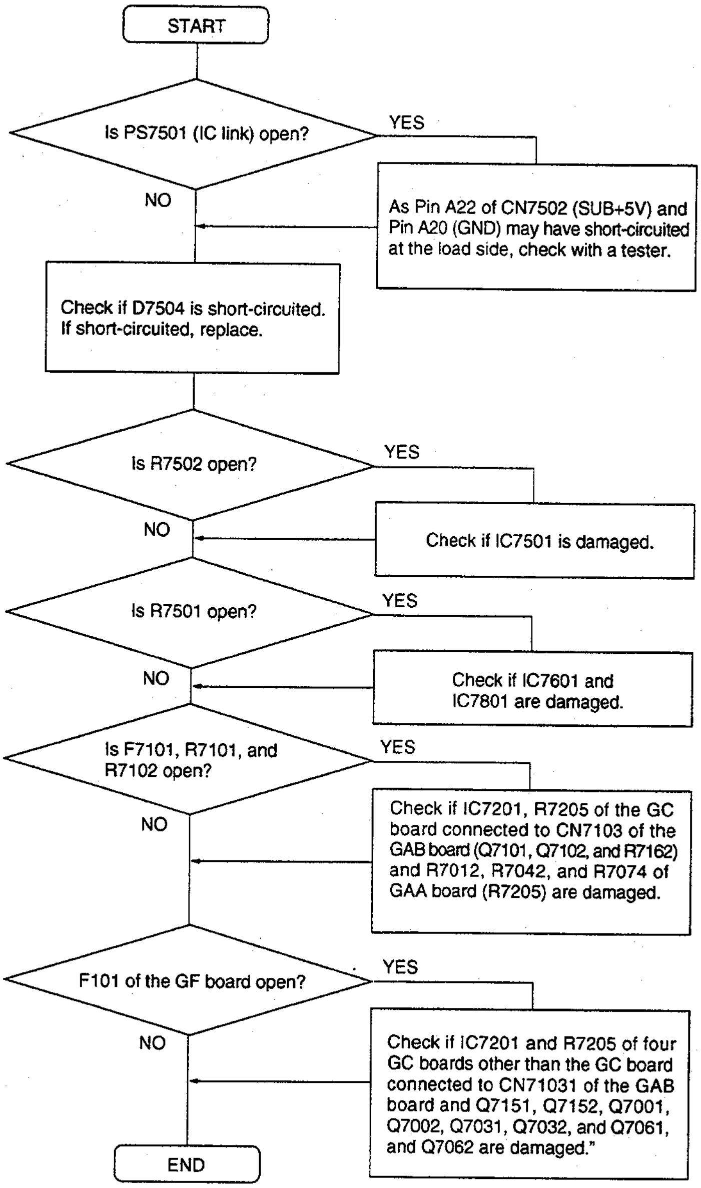
4-1. INDICATOR SECTION TROUBLE SHOOTING


Indicator is lit
FAN FAIL is lit
Does FAN (TOTO) stop?
YES
NO
Does FAN (G) stop?
YES
NO
Does FAN (LAMP) stop?
YES
NO
Does FAN (LCD) stop?
YES
NO
Does FAN (B-BOX 1 to 3) stop?
YES
FAN is defective
LAMP FAIL is lit
Replace the LAMP lit amongst 1, 2, 3, and 4.
Off
YES
END
NO
If 1 is lit, exchange the 3P connectors of LAMP power supplies 1 and 2.
(Same as 3, 4)
1 if Off
YES
2 is lit
NO
Defective LAMP power supply
Defective GAA (GAB) board

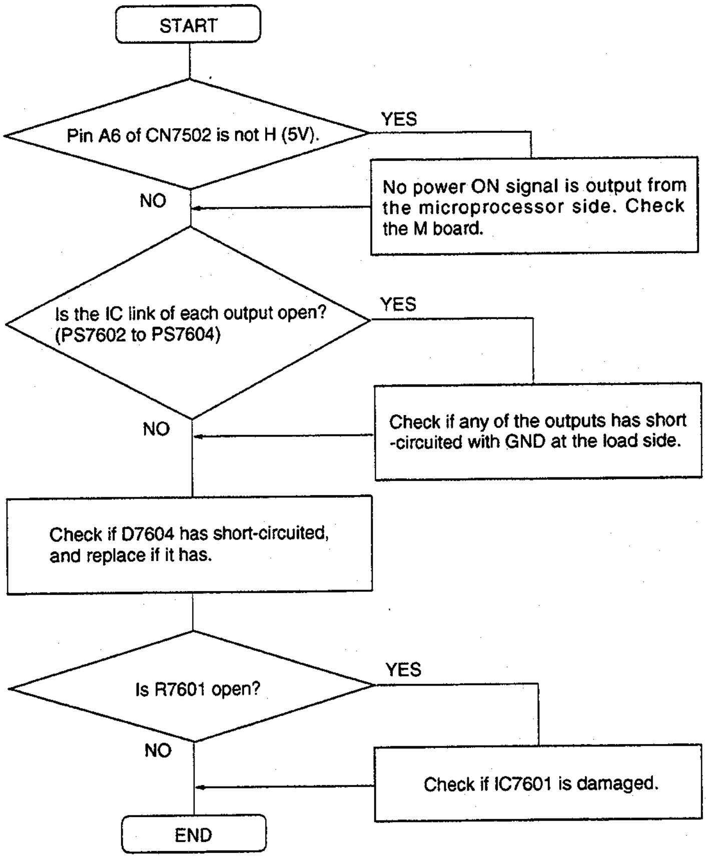

START
Is the STANDBY indicator lit?
NO
Defective GB board
YES
Is any message shown on the display?
NO
Defective M board
YES
Is power supplied when the ON key is pressed?
NO
Defective GAB board, GB board, and M board.
YES
Are normal RGB images output?
NO
Press the Pattern key and check if normal cross hatch is output.
NO
Defective C board, BB board
YES
Defective BA board, QA board, BB board
YES
Is the 15K component video image normal?
NO
Defective BA board
YES
Normal

4-2. POWER SUPPLY SECTION TROUBLE SHOOTING

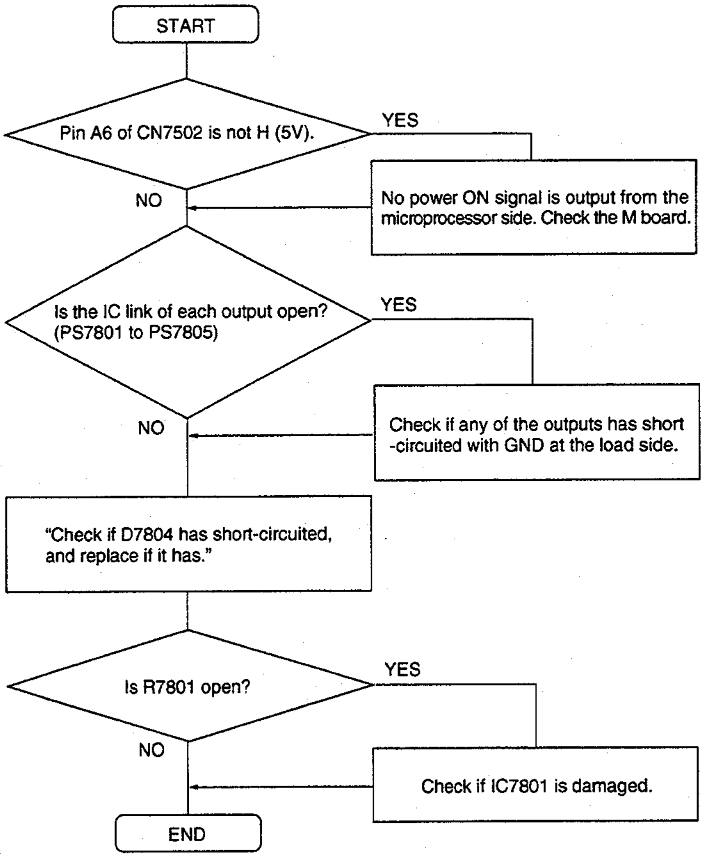
(1) If the unit does not set into the standby state even when connected to an AC outlet. (The standby LED on the control panel does not light up.)


START
Is PS7501 (IC link) open?
YES
As Pin A22 of CN7502 (SUB+5V) and Pin A20 (GND) may have short-circuited at the load side, check with a tester.
NO
Check if D7504 is short-circuited. If short-circuited, replace.
Is R7502 open?
YES
Check if IC7501 is damaged.
NO
Is R7501 open?
YES
Check if IC7601 and IC7801 are damaged.
NO
Is F7101, R7101, and R7102 open?
YES
Check if IC7201, R7205 of the GC board connected to CN7103 of the GAB board (Q7101, Q7102, and R7162) and R7012, R7042, and R7074 of GAA board (R7205) are damaged.
NO
F101 of the GF board open?
YES
Check if IC7201 and R7205 of four GC boards other than the GC board connected to CN71031 of the GAB board and Q7151, Q7152, Q7001, Q7002, Q7031, Q7032, and Q7061, and Q7062 are damaged."
NO
END

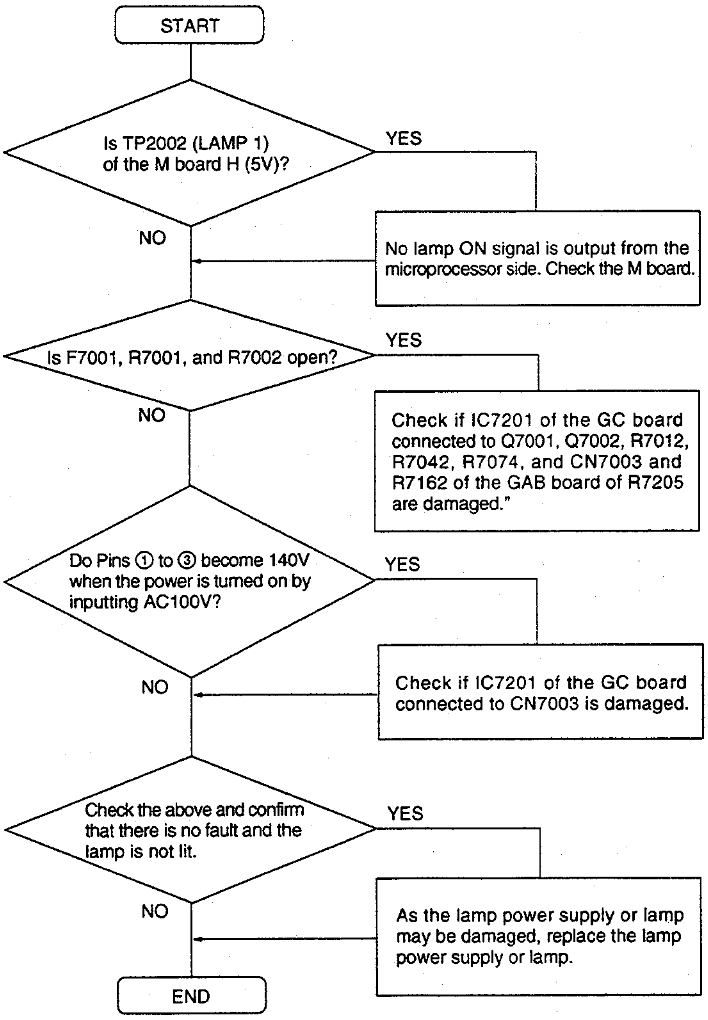
(2) The standby power is output, but no power from the analog circuit (+6.2V, 13.5V, 17V) is output even if the power is turned ON.


START
Pin A6 of CN7502 is not H (5V).
YES
No power ON signal is output from the microprocessor side. Check the M board.
NO
Is the IC link of each output open? (PS7602 to PS7604)
YES
Check if any of the outputs has short -circuited with GND at the load side.
NO
Check if D7604 has short-circuited, and replace if it has.
Is R7601 open?
YES
Check if IC7601 is damaged.
NO
END

(3) The standby power is output, but no digital circuit power (+3.3V, +5.2V, —5.2V, —2V, AUDIO+B is output even when the power is ON.

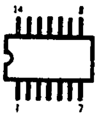

START
Pin A6 of CN7502 is not H (5V).
YES
No power ON signal is output from the microprocessor side. Check the M board.
NO
Is the IC link of each output open? (PS7801 to PS7805)
YES
Check if any of the outputs has short -circuited with GND at the load side.
NO
"Check if D7804 has short-circuited, and replace if it has."
Is R7801 open?
YES
Check if IC7801 is damaged.
NO
END

(4) The lamp does not light up although the standby, analog power, and digital power are output.
(This unit has four circuits each for the lamp power supply and active filter for the lamp power supply. As all of these circuits are the same, only the circuit of lamp 1 will be described here.)


START
Is TP2002 (LAMP 1) of the M board H (5V)?
YES
No lamp ON signal is output from the microprocessor side. Check the M board.
NO
Is F7001, R7001, and R7002 open?
YES
Check if IC7201 of the GC board connected to Q7001, Q7002, R7012, R7042, R7074, and CN7003 and R7162 of the GAB board of R7205 are damaged."
NO
Do Pins ① to ③ become 140V when the power is turned on by inputting AC100V?
YES
Check if IC7201 of the GC board connected to CN7003 is damaged.
NO
Check the above and confirm that there is no fault and the lamp is not lit.
YES
As the lamp power supply or lamp may be damaged, replace the lamp power supply or lamp.
NO
END

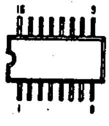
SECTION 5
SEMICONDUCTORS

74LCX08MTCX
74LCX32MTCX
74LCX74MTCX
MAX489ECSD-TE2
NJM2901M-TE2
NJM2904M
PC74HC08D-T
PC74HC14D-T
PC74HC32D-T
SN74HCU04ANS-E20
TC74VHC02AF
TC74VHC02F
TC74VHC08F
TC74VHC32F
TC74VHCT04AF
TC74VHCT04F
TLC2932IPW-E20
TLC2933IPW-E20



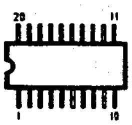
(TOP VIEW)

74LCX157MTCX



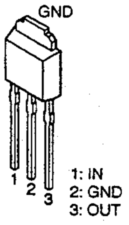
(TOP VIEW)

74LCX541MTCX
74LCX574MTCX
IMISM530AYB-D
M62399FP-TE2
M74F244MEL
MC100EL91DWR2
MC10H351MEL
MC74F244MEL
TC74VHC240F
TC74VHC244F
TC74VHC245F
TC74VHC541F
TC74VHCT244AF
TC74VHCT541AF
TC74VHCT541AFT
TDA7315D013TR

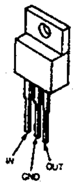


(TOP VIEW)

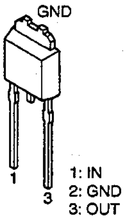
BA05FP-E2
BA09FP-E2
BA12FP-E2


GND
1
2
3
1: IN
2: GND
3: OUT

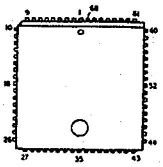
BA12T



BS05FP
TA78109F

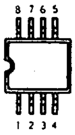

GND
1
3
1: IN
2: GND
3: OUT

CXA1166K


9
1
68
61
10
60
18
52
26
44
27
35
43

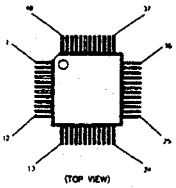
(TOP VIEW)

CXA1211M-T4
CXA1450M-T4
GS4981CTA
LM358P
MAX3085CSA-TG068
MAX4121CSA-TE2
MM1112XFBE
NJM2235M-T1
NJM2240M
NJM2533M
NJM4558E
OPA2658U/2K5
OPA658U-T2
SN75157
TC7W00FU
TC7W04F
TC7W04FU
TC7W08FU
TC7W32F
TC7W74F
TC7WU04FU
TL082CPS-E20
TL431BCDR2
UPC358G2-T2



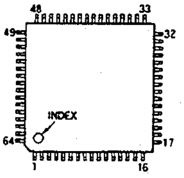
(TOP VIEW)

CXA1839Q-T6
CXA1855Q
CXA3106AQ
CXA3197R
ISPLSI2032-80LT48-
M01V1


48
37
1
36
12
25
13
24

(TOP VIEW)

CXA2011Q
CXA2112R-T6


48
33
49
32
INDEX
64
17
1
16

(TOP VIEW)

CXA2119M
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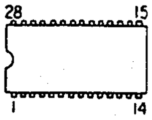
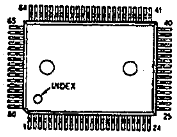
MN47V77ST1



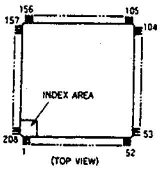
(Top view)

CXD2024AQ
CXP846P48Q-1


64
41
65
40
INDEX
80
25
1
24

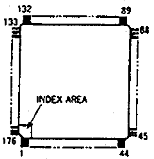
(TOP VIEW)

CXD2062Q
CXD2070Q
CXD8760FQ
GMZ1AH2B
UPD65806GD-064-ML


156
105
157
104
INDEX AREA
208
53
1
52

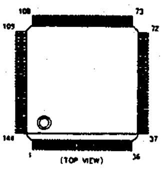
(TOP VIEW)

CXD2071R


132
89
133
88
INDEX AREA
176
45
1
44

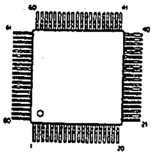
(TOP VIEW)

CXD8675R
CXD8773R
HD6437043AE00F
IP90C63


108
73
109
72
144
37
1
36

(TOP VIEW)

CXD8774R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41
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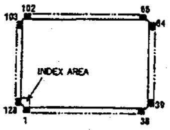
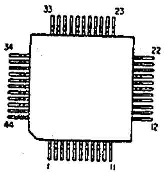
80
21
1
20

CXG8007TQ

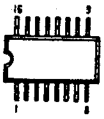

102
65
103
64
INDEX AREA
128
39
1
38

(TOP VIEW)

CY7C1021-20ZC
IDT71016S15Y-TL
ISPLSI1016E-80LT44-
BB01V1
ISPLSI1016E-80LT44-
BB02V1
ISPLSI1016E-80LT44-
C01V1
ISPLSI1016E-80LT44
M01V1

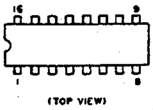

33
23
34
22
44
12
1
11

EL4093CS-TE2
MAX4066CEE-TE2
MC10H101MEL
MC10H116MEL
MC10H124MEL
MC10H125MEL
MC10H350P
MC74HC4052F-T2
MC74HC4053F-T2
MC74HC4538AF-T2
PC74HC123D-T
TC74LCX138FT
TC74VHC123AF
TC74VHC153F
TDA4665T-T

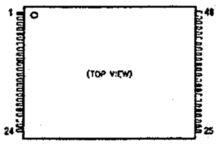


(TOP VIEW)

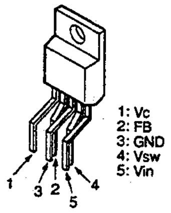
FA5331P


16
9
1
8
(TOP VIEW)

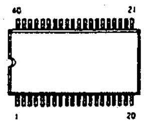
L7809CV


1
48
(TOP VIEW)
24
25

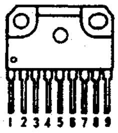
LT1269CT


1: Vc
2: FB
3: GND
4: Vsw
5: Vin
1
3
2
4
5

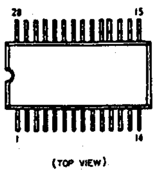
M27C4002-10F1
MBM29LV002T-SX1647
MSM514265C-60JSDR1



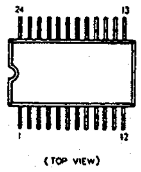
M54544AL



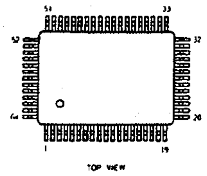
MAX211ECAI-TE2


28
15
1
14
(TOP VIEW)

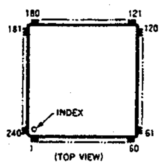
MB88141APFV-ER
UPC659AGS-E2


24
13
1
12
(TOP VIEW)

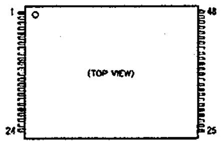
MB90091APF-116


51
33
52
32
64
20
1
19
TOP VIEW

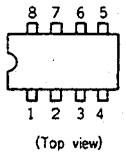
MBCG46104-120PFV


180
121
181
120
INDEX
240
61
1
60
(TOP VIEW)

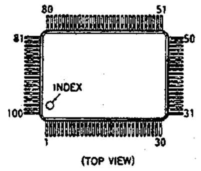
MBM29F200BA-
70PFTN
MBM29F400BA-
70PFTN


1
48
(TOP VIEW)
24
25

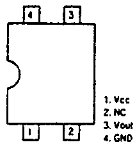
MM1170BFB
UPC814G2-E2


8 7 6 5
1 2 3 4
(Top view)

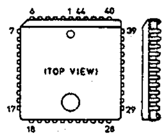
NM5283206FP
UPD64081BGF-3BA


80
51
81
50
INDEX
100
31
1
30
(TOP VIEW)

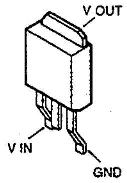
PC123FY2


4
3
1
2
1. Vcc
2. NC
3. Vout
4. GND

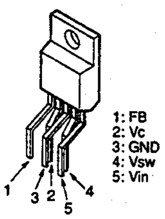
PC16552DV


6
1 44
40
7
39
(TOP VIEW)
17
29
18
28

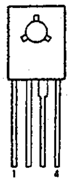
PQ05SZ1U


V OUT
V IN
GND

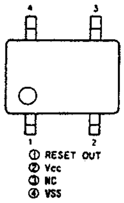
PQ20VZ1U
PQ20VZ5U


1: FB
2: Vc
3: GND
4: Vsw
5: Vin
1
3
2
4
5

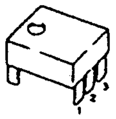
PQ30RV11



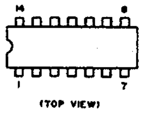
S-80828ANNP-EDR-T2


4
3
1
2
① RESET OUT
② Vcc
③ NC
④ VSS

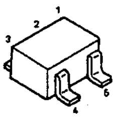
SBX1780-51



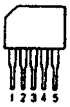
TC74HC04AF
TC74HC08AF
TC74HC32AF


14
8
1
7
(TOP VIEW)

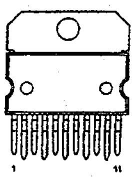
TC7S04FU
TC7S08FU
TC7S14F
TC7S86FU
TC7SET08FU
TC7SH08F-TE85R
TC7SH32F-TE85R



TC7SH04F



TDA2009A



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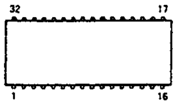
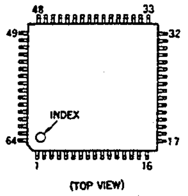
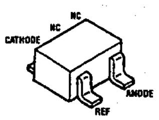


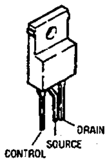
TLC5733AIPM


48
33
49
32
INDEX
64
17
1
16
(TOP VIEW)

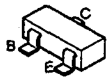
TLV431ACDBV2


NC
NC
CATHODE
ANODE
REF

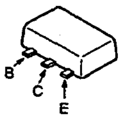
TOP224Y-BB
TOP226Y-BB
TOP227Y-BB


DRAIN
SOURCE
CONTROL

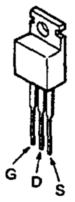
2SA1162-YG-TE85L
2SA1462
2SB1440S-TX
2SC2712-YG-TE85L
2SC2859-Y-TE-85L
2SC3326N
2SC3545
2SC3624A
DTA144EKA-T146
DTC114EKA-T146
DTC144EKA-T146



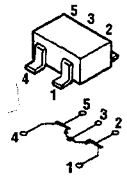
2SA1182-Y
2SB798



2SK3013F-02



FMS1-T-148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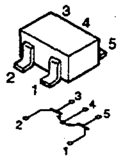
1

FMW1-T-148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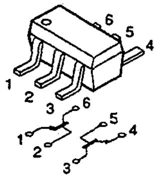
HN1B01FU-TE85R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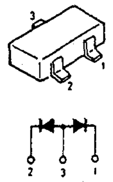
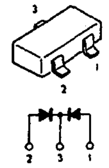
1
2
3

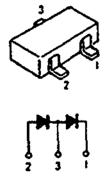
1S2836-T1



1S2837-T1
DAN202K-T-146



1SS123-T1
MA157-TX



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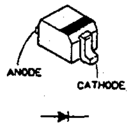
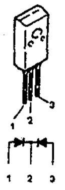
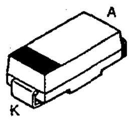
RD13SB2-T1
RD9.1SB2-T1
UDZ-TE-17-3.9B


ANODE
CATHODE

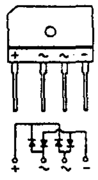
D10SC9M



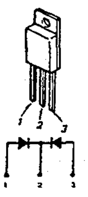
D1FS4A-TA



D6SB80



F16P20FS
FCH20A10
FCQ20A04



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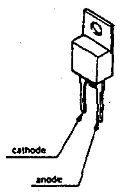
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anode

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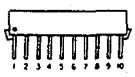
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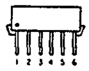

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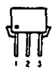

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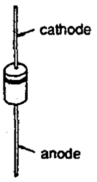
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anode

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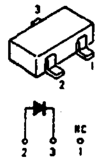
RD12M-T1B2



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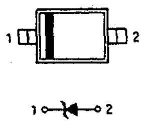

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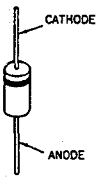
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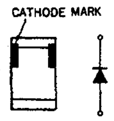
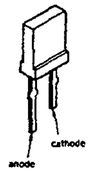
ANODE

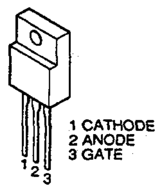
SEC1401C
SEC1901C


CATHODE MARK

SLP-155B-81
SLP-255B-81


cathode
anode

TF861S


1 CATHODE
2 ANODE
3 GATE
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SECTION 6
EXPLODED VIEWS

NOTE :

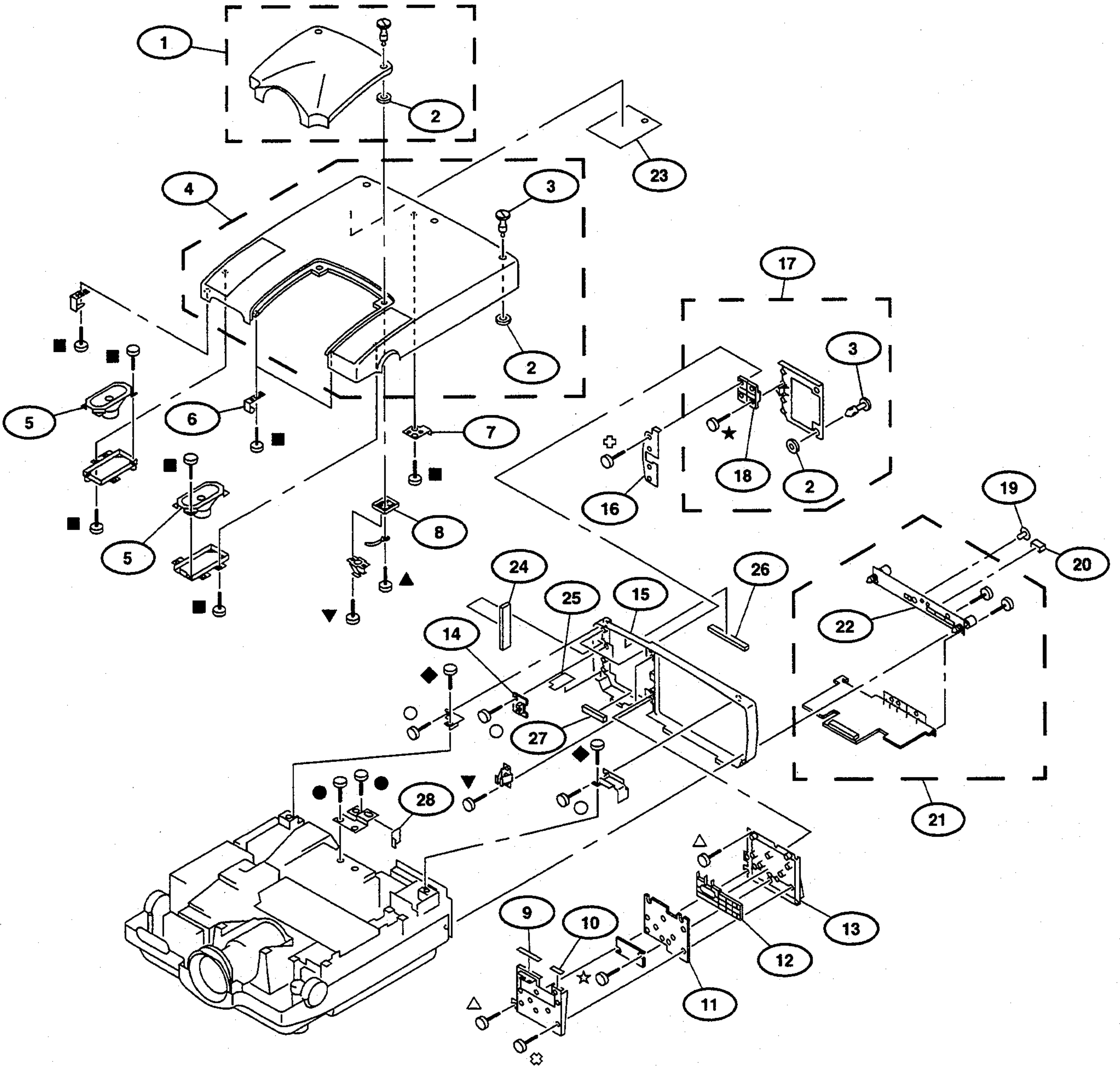
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

6-1. HOOD, REAR PANEL BLOCK

●: 7-682-148-01 +P3x8
▲: 7-685-647-79 +BVTP3x10
▼: 7-627-553-17 +P2x2
■: 7-685-660-11 +BVTP4x10
◆: 7-682-904-21 +PWH4x10
★: 7-685-648-79 +BVTP3x12
○: 7-682-546-04 +P3x5
△: 7-682-903-21 +PWH3x8
✙: 7-682-903-41 +PWH3x12
✣: 7-685-651-79 +BVTP3x20
☆: 7-685-133-01 +P2.6x6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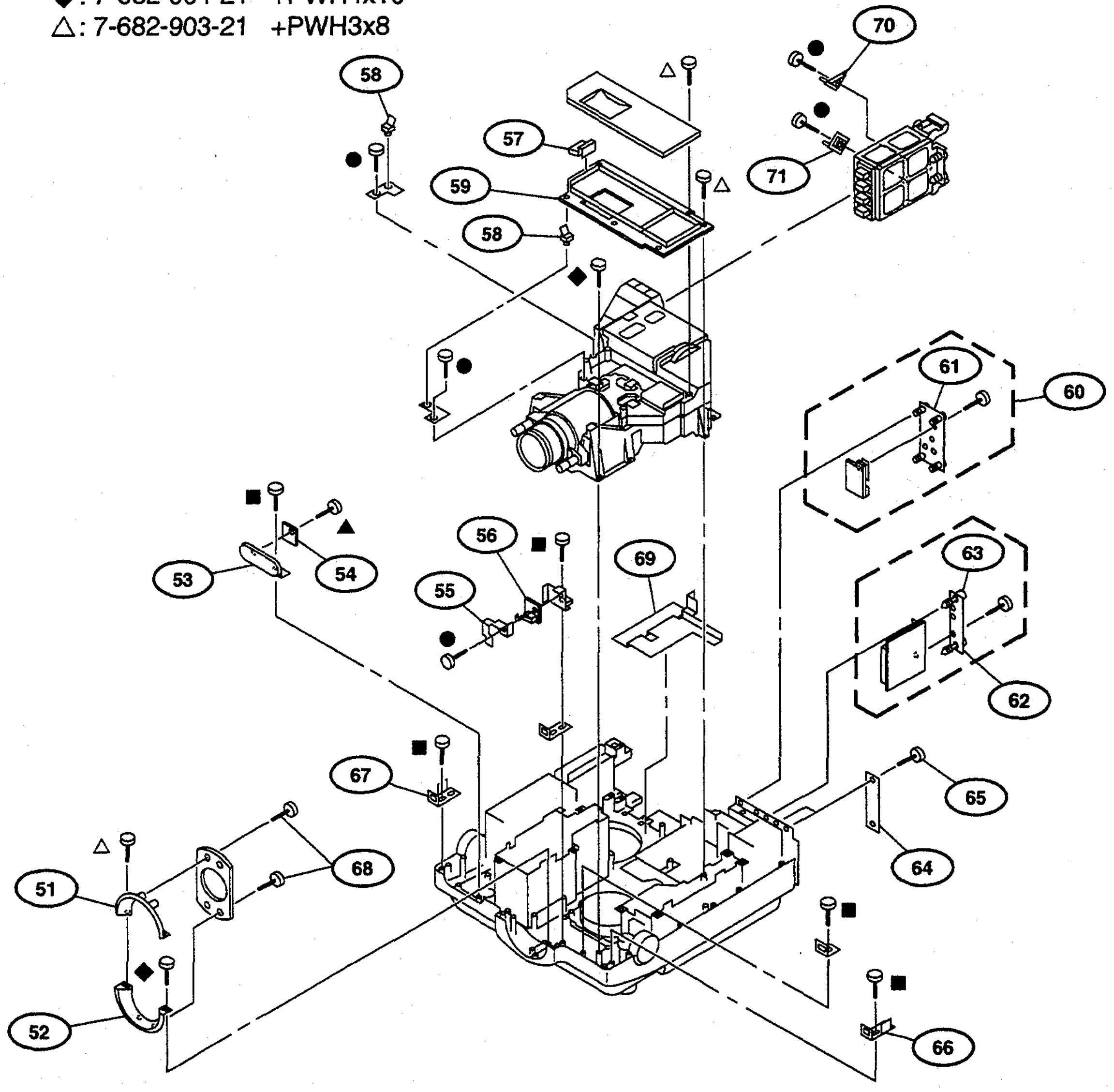
HOOD, REAR PANEL BLOCK

REF NO.	PART NO.	DESCRIPTION	REMARK
1	* A-1484-218-A	COVER BLOCK ASSY, LENS	2
2	* 4-056-505-01	RING, RUBBER	
3	* 4-068-049-01	FSTENER	
4	* X-4036-263-1	HOOD ASSY	2,3
5	1-504-673-11	SPEAKER (12.6X5.7CM)	
6	* 4-068-058-01	HOLDER (B), HOOD	
7	* 4-068-050-01	BRACKET (A), CABINET	
8	* 4-068-087-01	PLATE(C), FASNER	
9	* 4-068-064-01	GASKET (L)	
10	* 4-068-065-01	GASKET (S)	
11	* A-1375-180-A	H COMPL	
12	* 4-068-138-01	SPCER, CONTROL	
13	* X-4036-254-1	PANEL ASSY, CONTROL	
14	* 1-670-890-11	PWB, UA	
15	* 4-068-154-01	PANEL, REAR	
16	* 4-068-103-01	GUARD (C), LIGHTING	
17	* X-4036-257-1	LID ASSY, LAMP	
18	4-055-964-01	HINGE, BLIND	
19	3-728-267-01	COVER, 3.5 JACK	
20	* 3-673-948-11	CAP, DUST	
21	* A-1306-561-A	M COMPL	22
22	* X-4036-255-1	PANEL (M) ASSY, REAR	
23	4-068-331-01	SHEET (A), HEAT	
24	* 4-068-465-01	GUARD (L), LIGHTING	
25	* 4-068-402-01	GUARD (H), LIGHTING	
26	* 4-068-464-01	GUARD (K), LIGHTING	
27	* 4-068-822-01	SHEET, FILTER	
28	* 4-068-403-01	GUARD (I), LIGHTING	

6-2. CHASSIS BLOCK 1

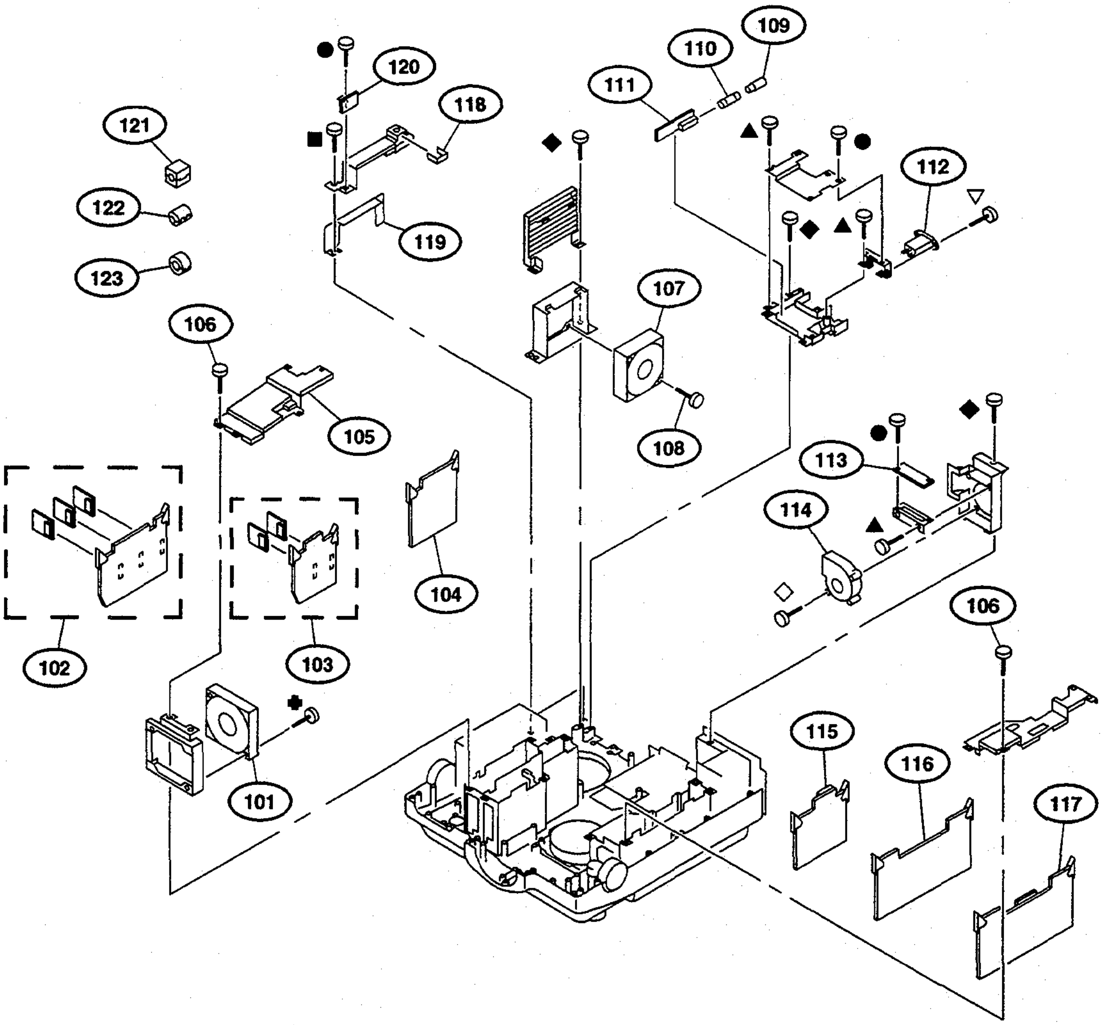
●: 7-682-148-01 +P3x8
▲: 7-685-647-79 +BVTP3x10
■: 7-685-660-11 +BVTP4x10
◆: 7-682-904-21 +PWH4x10
△: 7-682-903-21 +PWH3x8



REF NO.	PART NO.	DESCRIPTION	REMARK
51	4-068-167-01	RING (A), LENS	
52	4-068-168-01	RING (B), LENS	
53	* X-4036-251-1	WINDOW (F) ASSY, AF	
54	* A-1390-881-A	N MOUNT	
55	* 4-068-067-02	SPRING, UC	
56	* 1-670-895-11	PWB, UC	
57	* 4-068-799-01	SPRING (CG)	
58	* 3-696-440-11	HOLDER (B), PC BOARD	
59	* A-1335-104-A	C COMPL	
60	* A-1275-161-A	QB COMPL(X2000U/X2000M)	61
	* A-1275-166-A	QB COMPL(IFB-X2000E)(X2000E)	61
61	* X-4036-248-1	PANEL (QB) ASSY, REAR (X2000U/X2000M)	
	* X-4036-245-1	PANEL (QB/E) ASSY, REAR (IFB-X2000E) (X2000E)	
62	* A-1275-160-A	QA COMPL	63
63	* X-4036-247-1	PANEL (QA) ASSY, REAR	
64	4-035-771-01	PLATE, BLIND	
65	4-396-203-01	SCREW (+B M3X12), PREVENTION	
66	* 4-069-085-01	BRACKET (C), FRONT	
67	* 4-069-086-01	BRACKET (D), FRONT	
68	4-068-063-02	SCREW, WASHER	
69	4-068-536-03	GUARD (M), LIGHTING	
70	4-068-109-01	BUSHING (B), LAMP	
71	4-068-108-01	BUSHING (A), LAMP	

6-3. CHASSIS BLOCK 2

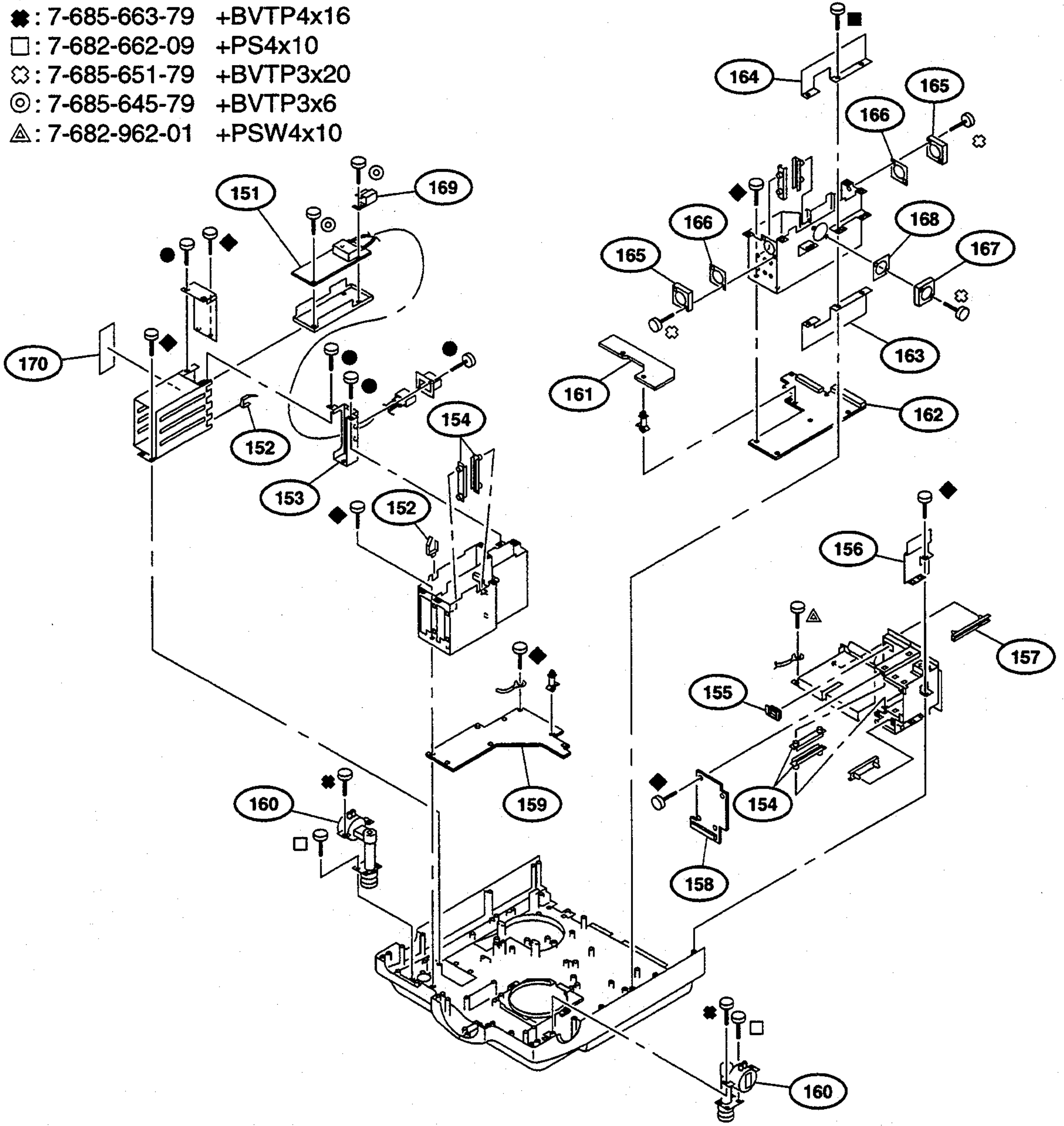
●: 7-682-148-01 +P3x8
▲: 7-685-647-79 +BVTP3x10
■: 7-685-660-11 +BVTP4x10
◆: 7-682-904-21 +PWH4x10
✚: 7-685-166-01 +PTP4x30
▽: 7-682-247-09 +K3x6
◇: 7-685-167-19 WASHER HEAD SCREW +P4x35



REF NO.	PART NO.	DESCRIPTION	REMARK
101	1-763-257-11	FAN, DC	
102	* A-1316-401-A	GAA COMPL	
103	* A-1316-402-A	GAB COMPL	
104	* A-1316-403-A	GB COMPL	
105	* X-4036-250-2	COVER ASSY, G	
106	4-067-823-01	SCREW (+PWH M4X12)	
107	1-763-260-11	FAN, DC	
108	4-068-057-01	SCREW (4X45), PWH TAPPING	
109	1-533-702-11	HOLDER, FUSE(X2000E/X2000M)	
	* 1-533-703-11	HOLDER, FUSE(X2000U)	
110 ⚠	1-576-233-11	FUSE (H.B.C.) (5A/250V) (X2000E/X2000M)	
⚠	1-533-694-11	FUSE (5A/250V) (X2000U)	
111	* 1-670-882-11	PWB, GF	
112 ⚠	1-785-591-11	INLET, AC	
113	* A-1390-906-A	XC MOUNT	
114	1-763-238-11	FAN, DC	
115	* A-1135-954-A	BC COMPL	
116	* A-1135-952-A	BA COMPL	
117	* A-1135-953-A	BB COMPL	
118	* 4-068-404-01	GUARD (J), LIGHTING	
119	* 4-068-102-01	GUARD (B), LIGHTING	
120	* 1-670-892-11	PWB, V	
121	1-500-037-11	CORE, FERRITE (WITH CASE)	
122	1-500-051-11	BEAD, FERRITE (WITH CASE)	
123	1-543-947-11	CORE, FERRITE	

6-4. CHASSIS BLOCK 3

●: 7-682-148-01 +P3x8
■: 7-685-660-11 +BVTP4x10
◆: 7-682-904-21 +PWH4x10
✖: 7-685-663-79 +BVTP4x16
□: 7-682-662-09 +PS4x10
✿: 7-685-651-79 +BVTP3x20
◎: 7-685-645-79 +BVTP3x6
⚠: 7-682-962-01 +PSW4x10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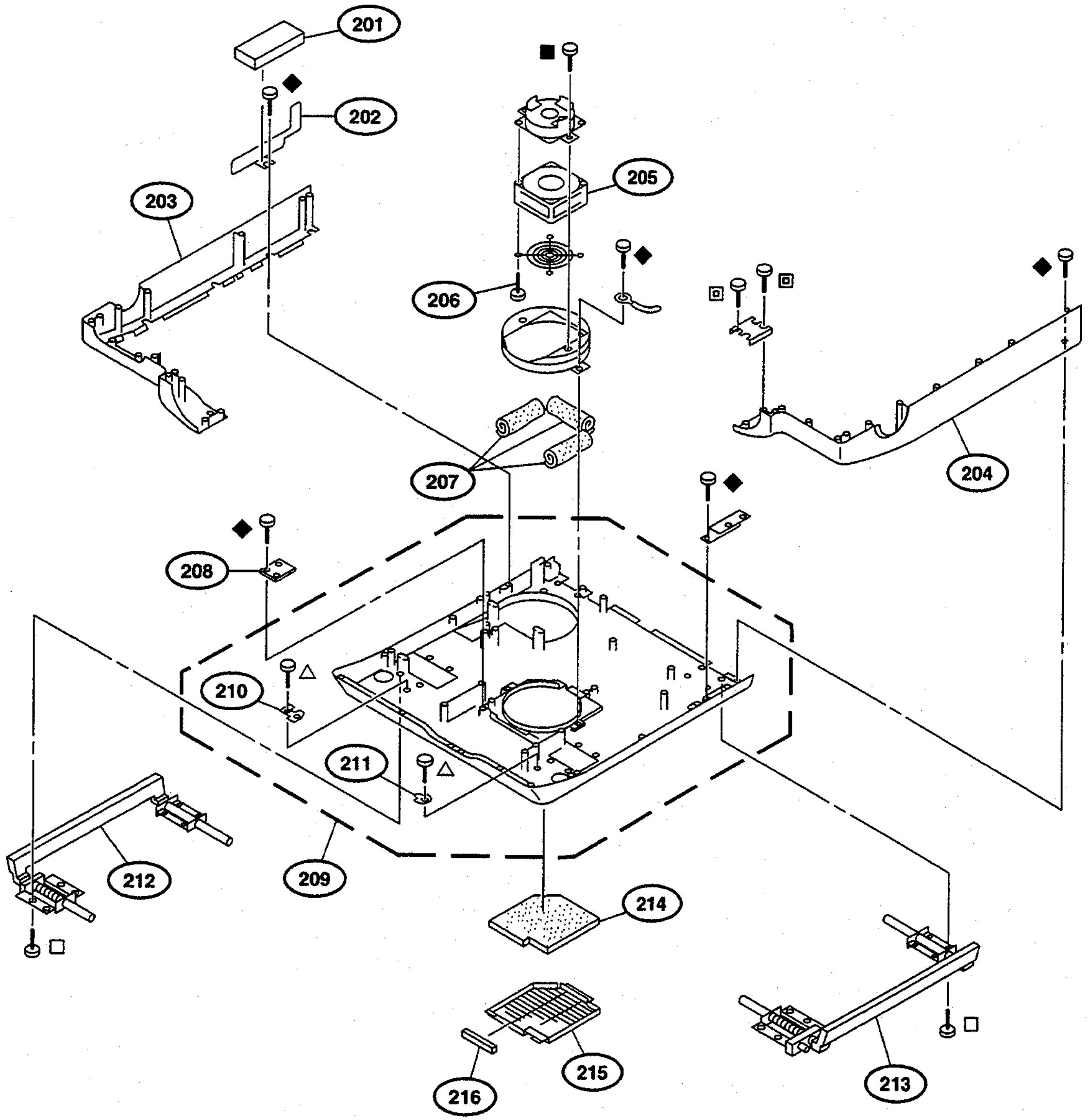
REF NO.	PART NO.	DESCRIPTION	REMARK
151 ⚠	1-468-286-11	POWER BLOCK	
152	* 4-316-015-00	HOLDER, WIRE	
153	* 4-068-176-02	PLATE, PLUG	
154	* 4-360-309-11	SUPPORT, PC BOARD	
155	* 4-056-414-01	BUSHING, SQUARE	
156	* 4-068-104-01	GUARD (D), LIGHTING	
157	4-055-970-01	RAIL (S), PC BOARD GUIDE	
158	* A-1390-879-A	XA MOUNT	
159	* A-1311-694-A	GM MOUNT	
160	4-068-172-01	ADJUSTOR	
161	* A-1390-880-A	XB MOUNT	
162	* A-1131-349-A	BM MOUNT	
163	* 4-068-169-01	GUARD (E), LIGHTING	
164	* 4-068-170-01	GUARD (F), LIGHTING	
165	1-763-256-11	FAN, DC	
166	4-068-976-01	SPACER (B1)	
167	1-763-259-11	FAN, DC	
168	4-068-977-01	SPACER (B2)	
169	4-068-646-01	SHEET (BRA)	
170	* 4-068-537-01	GUARD (N), LIGHTING	

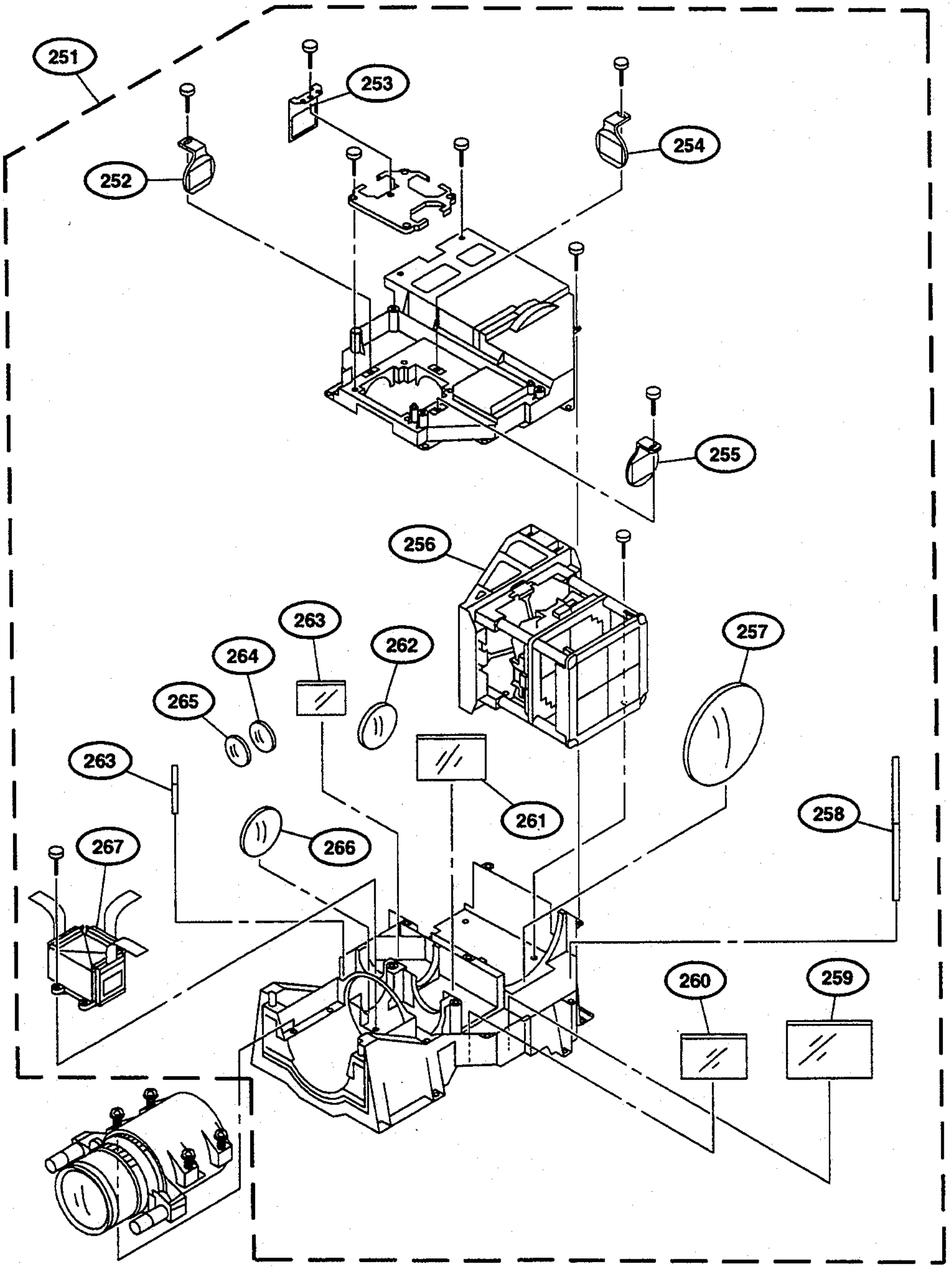
6-5. BASE BLOCK

■: 7-685-660-11 +BVTP4x10
◆: 7-682-904-21 +PWH4x10
△: 7-682-903-21 +PWH3x8
□: 7-682-662-09 +PS4x10
▣: 7-682-660-19 +BVTP4x10



REF NO.	PART NO.	DESCRIPTION	REMARK
201	4-068-062-01	SHEET (B), CUSHION	
202	* 4-068-101-01	GUARD (A), LIGHTING	
203	* 4-068-148-02	PANEL (L), SIDE	
204	* 4-068-147-02	PANEL (R), SIDE	
205	1-763-274-11	FAN, DC	
206	4-068-057-01	SCREW (4X45), PWH TAPPING	
207	4-068-061-01	SHEET (A), CUSHION	
208	* 1-670-890-11	PWB, UB	
209	* X-4036-258-1	BASE ASSY	210, 211
210	* 4-068-329-01	COVER (A), HOLE	
211	* 4-068-330-01	COVER (B), HOLE	
212	* 4-068-150-01	HANDLE (R)	
213	* 4-068-149-01	HANDLE (L)	
214	4-068-043-02	FILTER, FAN	
215	4-068-144-02	COVER, FILTER	
216	* 4-068-822-01	SHEET, FILTER	

6-6. OPTICAL BLOCK



REF NO.	PART NO.	DESCRIPTION	REMARK
251	1-758-234-11	OPTICAL UNIT	252-267
252	9-881-930-01	RED DEFLECTION PLATE	
253	9-881-936-01	RED STANDARD DUMMY GLASS	
253	9-881-937-01	RED TELE ZOOM DUMMY GLASS	
254	9-881-924-01	GREEN DEFLECTION PLATE/CAPACITOR LENS	
255	9-881-925-01	BLUE DEFLECTION PLATE/CAPACITOR LENS	
256	* 9-881-923-01	FLYEYE/PS CONVERTER BLOCK	
257	* 9-881-922-01	MAIN CAPACITOR LENS	
258	* 9-881-931-01	MIRROR A	
259	* 9-881-934-01	GR REFLECTION DICHROIC MIRROR	
260	* 9-881-932-01	MIRROR B	
261	* 9-881-935-01	G RFLECTION DOCHROIC MIRROR	
262	* 9-881-926-01	RELAY LENS A	
263	* 9-881-933-01	MIRROR C	
264	* 9-881-927-01	RELAY LENS B	
265	* 9-881-928-01	RELAY LENS C	
266	* 9-881-929-01	RED CAPACITOR LENS	
267	1-758-274-11	PRISM BLOCK	

SECTION 7
ELECTRICAL PARTS LIST

NOTE :

The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS
- All resistors are in ohms
- F : nonflammable

CAPACITORS
- PF : µµF

When indicating parts by reference number, please include the board name.

REF NO.	PART NO.	DESCRIPTION				REMARK
	* A-1135-952-A	BA COMPL ********				
	3-179-084-01	LEVER (R), PC BOARD				
	3-179-085-01	LEVER (L), PC BOARD				
	4-904-679-01	HEAT SINK (IC)				
		<CAPACITOR>				
C1001	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1002	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1003	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1004	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1005	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1006	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1007	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1008	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1009	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1010	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1011	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1012	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1013	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1014	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1015	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1016	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1017	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1018	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1019	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1020	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1021	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1022	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1023	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1024	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1025	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1026	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1027	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1028	1-128-007-11	ELECT CHIP	2.2MF	20%	35V	
C1029	1-128-007-11	ELECT CHIP	2.2MF	20%	35V	
C1030	1-128-007-11	ELECT CHIP	2.2MF	20%	35V	
C1031	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1032	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1033	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1034	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1035	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	

REF NO.	PART NO.	DESCRIPTION				REMARK
C1036	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1037	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1038	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1039	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1040	1-128-007-11	ELECT CHIP	2.2MF	20%	35V	
C1041	1-128-007-11	ELECT CHIP	2.2MF	20%	35V	
C1042	1-128-007-11	ELECT CHIP	2.2MF	20%	35V	
C1043	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1044	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1045	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1046	1-163-239-11	CERAMIC CHIP	33PF	5%	50V	
C1047	1-163-239-11	CERAMIC CHIP	33PF	5%	50V	
C1048	1-163-239-11	CERAMIC CHIP	33PF	5%	50V	
C1049	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1050	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C1051	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1052	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1053	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1054	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1055	1-117-681-11	ELECT CHIP	100MF	20%	16V	
C1057	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1058	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1059	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1060	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1061	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1064	1-117-681-11	ELECT CHIP	100MF	20%	16V	
C1065	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1066	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1067	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1068	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1069	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1070	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1075	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1076	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1080	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V	
C1081	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V	
C1082	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V	
C1086	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1087	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1088	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1089	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1090	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1091	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	

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REF NO.	PART NO.	DESCRIPTION				REMARK
C1092	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1093	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1094	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1095	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1096	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1097	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1098	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1099	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1100	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1101	1-126-395-11	ELECT CHIP	22MF	20%	16V	
C1102	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1106	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1109	1-126-395-11	ELECT CHIP	22MF	20%	16V	
C1110	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1111	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1112	1-128-013-11	ELECT CHIP	1MF	20%	50V	
C1113	1-128-013-11	ELECT CHIP	1MF	20%	50V	
C1114	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1115	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1116	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1117	1-128-013-11	ELECT CHIP	1MF	20%	50V	
C1118	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1119	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1120	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1121	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1122	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1123	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1124	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1125	1-163-089-00	CERAMIC CHIP	6PF	0.5PF	50V	
C1126	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C1128	1-128-006-11	ELECT CHIP	4.7MF	20%	25V	
C1129	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1130	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1131	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1132	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1133	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1134	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1135	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1136	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1137	1-117-681-11	ELECT CHIP	100MF	20%	16V	
C1138	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	
C1139	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1140	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1141	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1142	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1143	1-117-681-11	ELECT CHIP	100MF	20%	16V	
C1144	1-128-396-11	ELECT CHIP	470MF	20%	10V	
C1145	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1146	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C1147	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1148	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1149	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1150	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1151	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1152	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	
C1153	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1154	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1155	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	

REF NO.	PART NO.	DESCRIPTION				REMARK
C1156	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1157	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1158	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1159	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C1160	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1161	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1162	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1163	1-128-013-11	ELECT CHIP	1MF	20%	50V	
C1164	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1165	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1166	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1167	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1168	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1169	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1201	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1202	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1203	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1204	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1205	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1206	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1207	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1208	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1209	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1210	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1211	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1212	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1213	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1214	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1215	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1216	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1217	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1218	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1219	1-117-681-11	ELECT CHIP	100MF	20%	16V	
C1251	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1252	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1253	1-163-131-00	CERAMIC CHIP	390PF	5%	50V	
C1254	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1255	1-163-229-11	CERAMIC CHIP	12PF	5%	50V	
C1256	1-163-229-11	CERAMIC CHIP	12PF	5%	50V	
C1257	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1258	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1259	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1260	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1261	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1262	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1263	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1265	1-128-013-11	ELECT CHIP	1MF	20%	50V	
C1267	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1268	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1269	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1270	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1271	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1272	1-128-007-11	ELECT CHIP	2.2MF	20%	35V	
C1273	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C1274	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1275	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1276	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1278	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1279	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	

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REF NO.	PART NO.	DESCRIPTION				REMARK
C1280	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1281	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1282	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1283	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1284	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1287	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1289	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1290	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1291	1-128-396-11	ELECT CHIP	470MF	20%	10V	
C1292	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	
C1293	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1294	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1295	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1297	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1298	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1299	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C1300	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	
C1301	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	
C1302	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C1303	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1304	1-128-013-11	ELECT CHIP	1MF	20%	50V	
C1305	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1306	1-164-505-11	CERAMIC CHIP	2.2MF		16V	
C1307	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1308	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	
C1309	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1310	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1311	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1312	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1313	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1314	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1315	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1316	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1317	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1318	1-163-229-11	CERAMIC CHIP	12PF	5%	50V	
C1319	1-163-229-11	CERAMIC CHIP	12PF	5%	50V	
C1320	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1321	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1401	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1402	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1403	1-109-982-11	CERAMIC CHIP	1MF	10%	10V	
C1404	1-109-982-11	CERAMIC CHIP	1MF	10%	10V	
C1405	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1406	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1407	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1408	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1409	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1410	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1411	1-163-229-11	CERAMIC CHIP	12PF	5%	50V	
C1412	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1413	1-163-229-11	CERAMIC CHIP	12PF	5%	50V	
C1414	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1415	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V	
C1416	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1417	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	
C1418	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1419	1-128-006-11	ELECT CHIP	4.7MF	20%	25V	
C1420	1-128-006-11	ELECT CHIP	4.7MF	20%	25V	
C1421	1-128-006-11	ELECT CHIP	4.7MF	20%	25V	

REF NO.	PART NO.	DESCRIPTION				REMARK
C1422	1-128-006-11	ELECT CHIP	4.7MF	20%	25V	
C1423	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V	
C1424	1-109-982-11	CERAMIC CHIP	1MF	10%	10V	
C1425	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1426	1-128-396-11	ELECT CHIP	470MF	20%	10V	
C1427	1-164-344-11	CERAMIC CHIP	0.068MF	10%	25V	
C1428	1-164-344-11	CERAMIC CHIP	0.068MF	10%	25V	
C1429	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1430	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	
C1431	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	
C1432	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1433	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1434	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1435	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1436	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1437	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1438	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1439	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C1441	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1442	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1443	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1444	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1445	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1446	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1447	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1448	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1449	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1450	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1451	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1452	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1453	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C1454	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C1455	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1456	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1457	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1458	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1459	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1460	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1461	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	
C1462	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	
C1463	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	
C1464	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	
C1465	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	
C1466	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	
C1467	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	
C1468	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	
C1469	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	
C1470	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1471	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1472	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1473	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1474	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1475	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1476	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1477	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1478	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1479	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C1480	1-126-204-11	ELECT CHIP	47MF	20%	16V	

BA

REF NO.	PART NO.	DESCRIPTION			REMARK
C1484	1-126-204-11	ELECT CHIP	47MF	20%	16V
C1485	1-126-204-11	ELECT CHIP	47MF	20%	16V
C1486	1-163-089-00	CERAMIC CHIP	6PF	0.5PF	50V
C1487	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1488	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1489	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1490	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1491	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1494	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1495	1-126-204-11	ELECT CHIP	47MF	20%	16V
C1496	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1497	1-128-004-11	ELECT CHIP	10MF	20%	16V
C1498	1-126-204-11	ELECT CHIP	47MF	20%	16V
C1499	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1500	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1501	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1610	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1611	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1612	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1613	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1614	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1615	1-126-204-11	ELECT CHIP	47MF	20%	16V
C1616	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1617	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1619	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1622	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1624	1-128-004-11	ELECT CHIP	10MF	20%	16V
C1625	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1626	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1627	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1628	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C1629	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1630	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1631	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1632	1-128-013-11	ELECT CHIP	1MF	20%	50V
C1633	1-128-004-11	ELECT CHIP	10MF	20%	16V
C1634	1-126-204-11	ELECT CHIP	47MF	20%	16V
C1635	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1636	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1637	1-128-004-11	ELECT CHIP	10MF	20%	16V
C1638	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1639	1-107-682-11	CERAMIC CHIP	1MF	10%	16V
C1640	1-107-682-11	CERAMIC CHIP	1MF	10%	16V
C1641	1-107-682-11	CERAMIC CHIP	1MF	10%	16V
C1642	1-107-682-11	CERAMIC CHIP	1MF	10%	16V
C1643	1-107-682-11	CERAMIC CHIP	1MF	10%	16V
C1644	1-107-682-11	CERAMIC CHIP	1MF	10%	16V
C1648	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1649	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1751	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1752	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1753	1-128-013-11	ELECT CHIP	1MF	20%	50V
C1754	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1755	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1756	1-128-013-11	ELECT CHIP	1MF	20%	50V
C1757	1-128-013-11	ELECT CHIP	1MF	20%	50V
C1758	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1759	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1760	1-128-013-11	ELECT CHIP	1MF	20%	50V
C1761	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1762	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1763	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1764	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1765	1-128-013-11	ELECT CHIP	1MF	20%	50V
C1766	1-128-013-11	ELECT CHIP	1MF	20%	50V
C1767	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1768	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1769	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1770	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1771	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1772	1-128-004-11	ELECT CHIP	10MF	20%	16V
C1773	1-128-004-11	ELECT CHIP	10MF	20%	16V
C1774	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1775	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1776	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C1777	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C1778	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C1779	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1780	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1781	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1782	1-128-004-11	ELECT CHIP	10MF	20%	16V
C1783	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1784	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1785	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1786	1-126-204-11	ELECT CHIP	47MF	20%	16V
C1787	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1788	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1789	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1901	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1902	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1903	1-128-004-11	ELECT CHIP	10MF	20%	16V
C1904	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1905	1-117-681-11	ELECT CHIP	100MF	20%	16V
C1906	1-128-004-11	ELECT CHIP	10MF	20%	16V
C1907	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1908	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1909	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C1910	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1911	1-128-004-11	ELECT CHIP	10MF	20%	16V
C1912	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1913	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1914	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1915	1-117-681-11	ELECT CHIP	100MF	20%	16V
C1916	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1917	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1918	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1919	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1920	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1922	1-163-143-00	CERAMIC CHIP	0.0012MF	5%	50V
C1923	1-110-501-11	CERAMIC CHIP	0.33MF	10%	16V
C1924	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1925	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1926	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1927	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1928	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1929	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1930	1-128-004-11	ELECT CHIP	10MF	20%	16V

REF NO.	PART NO.	DESCRIPTION				REMARK
C1931	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1932	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1933	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1934	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1935	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1936	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1937	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1938	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1939	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1940	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C1941	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1942	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1943	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C1944	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1945	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1946	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1947	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1948	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1949	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1950	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C1951	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1952	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1953	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1954	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1955	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1956	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	
C1957	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	
C1958	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1959	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1960	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C1961	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1962	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1963	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1964	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1965	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C1968	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C1969	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C1970	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9001	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9002	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C9003	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C9004	1-128-006-11	ELECT CHIP	4.7MF	20%	25V	
C9006	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C9007	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9008	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C9009	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C9010	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9011	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9012	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9013	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9014	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9015	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9016	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9017	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C9018	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C9019	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C9020	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9021	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9022	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9023	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9024	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9026	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9027	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C9028	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9029	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9030	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C9031	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C9032	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	
C9033	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9034	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9035	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9036	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9037	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C9038	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	
C9039	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C9040	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9041	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9042	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9043	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9044	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C9045	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9046	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C9047	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C9048	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9049	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C9050	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C9051	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9052	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9053	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9054	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9055	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9056	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C9057	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C9058	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9059	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9060	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V	
C9061	1-128-006-11	ELECT CHIP	4.7MF	20%	25V	
C9062	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9063	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C9101	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9102	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9103	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9104	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9105	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9106	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9107	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9108	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9109	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9110	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9111	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9112	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9113	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9114	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9115	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9116	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9117	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	

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REF NO.	PART NO.	DESCRIPTION				REMARK
C9118	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C9119	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9120	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9121	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9122	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9123	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9124	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9125	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9126	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9127	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9128	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9129	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9130	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9131	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9132	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9133	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C9134	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C9135	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9136	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9137	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C9138	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C9139	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9201	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9202	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9203	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9204	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9205	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9206	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9207	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9208	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9209	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9210	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9211	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9212	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9213	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9214	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9215	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9216	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9217	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9218	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9219	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9220	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9221	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9222	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9223	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9224	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9225	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9226	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9227	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9228	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9229	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C9230	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9231	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9232	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C9235	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C9236	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9237	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	
C9238	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9239	1-126-205-11	ELECT CHIP	47MF	20%	6.3V	

REF NO.	PART NO.	DESCRIPTION				REMARK
C9247	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9249	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9250	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C9251	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C9252	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C9253	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
		<CONNECTOR>				
CN1901	* 1-785-559-11	CONNECTOR, BOARD TO BOARD 140P				
		<DIODE>				
D1001	8-719-800-76	DIODE 1SS226				
D1002	8-719-800-76	DIODE 1SS226				
D1003	8-719-800-76	DIODE 1SS226				
D1101	8-719-801-78	DIODE 1SS184				
D1401	8-719-914-43	DIODE DAN202K				
D1901	8-719-914-43	DIODE DAN202K				
D9001	8-719-422-12	DIODE MA8039				
		<FERRITE BEAD>				
FB1251	1-414-753-91	INDUCTOR	4.7μH			
FB1252	1-543-775-11	FERRITE	0μH			
FB1253	1-543-775-11	FERRITE	0μH			
FB1254	1-543-775-11	FERRITE	0μH			
FB1255	1-414-753-91	INDUCTOR	4.7μH			
FB1256	1-414-753-91	INDUCTOR	4.7μH			
FB1257	1-414-234-22	INDUCTOR CHIP	0μH			
FB1258	1-414-234-22	INDUCTOR CHIP	0μH			
FB1259	1-414-234-22	INDUCTOR CHIP	0μH			
FB1260	1-414-234-22	INDUCTOR CHIP	0μH			
FB1261	1-414-234-22	INDUCTOR CHIP	0μH			
FB1262	1-414-234-22	INDUCTOR CHIP	0μH			
FB1263	1-414-234-22	INDUCTOR CHIP	0μH			
FB9201	1-414-234-22	INDUCTOR CHIP	0μH			
FB9202	1-414-234-22	INDUCTOR CHIP	0μH			
		<FILTER>				
FL1101	1-239-289-11	FILTER, LOW PASS				
FL1102	1-239-289-11	FILTER, LOW PASS				
FL1103	1-239-289-11	FILTER, LOW PASS				
FL1251	1-233-450-11	FILTER, LOW PASS				
FL1252	1-233-450-11	FILTER, LOW PASS				
FL1253	1-239-847-11	FILTER, LOW PASS				
FL1254	1-239-847-11	FILTER, LOW PASS				
FL1401	1-233-505-21	FILTER, LOW PASS				
FL1402	1-233-504-21	FILTER, LOW PASS				
FL1403	1-233-504-21	FILTER, LOW PASS				
FL9201	1-233-876-11	FILTER, LOW PASS				
FL9202	1-233-876-11	FILTER, LOW PASS				
FL9203	1-233-878-11	FILTER, LOW PASS				
		<IC>				
IC1001	8-752-052-77	IC CXA1450M				
IC1002	8-752-052-77	IC CXA1450M				
IC1003	8-752-052-77	IC CXA1450M				
IC1004	8-759-470-51	IC MB88141APFV-ER				
IC1005	8-759-431-38	IC MAX4121CSA-TE2				
IC1006	8-759-431-38	IC MAX4121CSA-TE2				

REF NO.	PART NO.	DESCRIPTION	REMARK
IC1007	8-759-431-38	IC MAX4121CSA-TE2	
IC1008	8-759-470-51	IC MB88141APFV-ER	
IC1009	8-759-543-16	IC EL4093CS-TE2	
IC1010	8-759-543-16	IC EL4093CS-TE2	
IC1011	8-759-543-16	IC EL4093CS-TE2	
IC1012	8-759-460-74	IC BA05FP-E2	
IC1013	8-759-460-74	IC BA05FP-E2	
IC1014	8-759-460-81	IC BA12FP-E2	
IC1016	8-759-460-79	IC BA09FP-E2	
IC1017	8-759-388-31	IC PQ20VZ1U	
IC1101	8-752-068-45	IC CXA1855Q	
IC1102	8-759-710-29	IC NJM2235M	
IC1103	8-759-711-62	IC NJM2240M	
IC1104	8-752-372-78	IC CXD2024AQ	
IC1105	8-759-353-02	IC NJM2533M(TE2)	
IC1106	8-759-353-02	IC NJM2533M(TE2)	
IC1251	8-759-269-92	IC SN74HCU04ANS-E20	
IC1252	8-759-568-27	IC MSM514265C-60JSDR1	
IC1253	8-759-161-24	IC µPC659AGS-E2	
IC1254	8-759-536-12	IC µPD64081BGF-3BA	
IC1401	8-759-565-20	IC TDA4665T/V5-118	
IC1402	8-759-295-47	IC TDA9141-N2C	
IC1403	8-759-335-57	IC MM1112XF	
IC1404	8-759-335-57	IC MM1112XF	
IC1405	8-759-058-62	IC TC7S08FU(TE85R)	
IC1406	8-759-344-12	IC GS4981CTA	
IC1407	8-759-082-58	IC TC7W08FU	
IC1408	8-759-082-57	IC TC7W04FU	
IC1409	8-759-008-45	IC MC74HC4538F	
IC1410	8-752-082-49	IC CXA2119M	
IC1601	8-752-072-88	IC CXA2011Q	
IC1602	8-752-070-54	IC CXA1839Q-T6	
IC1751	8-752-053-19	IC CXA1166K	
IC1752	8-752-053-19	IC CXA1166K	
IC1753	8-752-053-19	IC CXA1166K	
IC1754	8-759-331-71	IC NJM4558E(TE2)	
IC1755	8-759-530-57	IC TLV431ACDBV2	
IC1901	8-759-195-81	IC TC7S86FU	
IC1902	8-759-981-48	IC TL082M	
IC1903	8-759-092-82	IC SN75157PS-ELL2000	
IC1904	8-759-058-58	IC TC7S04FU(TE85R)	
IC1905	8-752-083-73	IC CXA3106AQ	
IC1906	8-759-012-02	IC MC10H124M	
IC1907	8-759-543-15	IC MC100EL91DWR2	
IC1908	8-759-422-51	IC MC10H101MEL	
IC1909	8-759-285-61	IC PC74HC123D-T	
IC1910	8-759-563-11	IC CXD8773R	
IC1911	8-759-186-77	IC TC74VHC541F	
IC1912	8-759-082-58	IC TC7W08FU	
IC1914	8-759-058-62	IC TC7S08FU(TE85R)	
IC1915	8-759-196-97	IC TC7SH32FU-TE85R	
IC1916	8-759-058-62	IC TC7S08FU(TE85R)	
IC1917	8-759-058-62	IC TC7S08FU(TE85R)	
IC9001	8-759-295-09	IC TLC2932IPW	
IC9003	8-759-467-20	IC CXD8675R	
IC9004	8-759-430-32	IC TLC2933IPW-E20	
IC9005	8-759-285-61	IC PC74HC123D-T	
IC9006	8-759-447-90	IC TLC5733AIPM	
IC9101	8-759-422-80	IC MN47V77ST1	
IC9102	8-759-422-80	IC MN47V77ST1	
IC9103	8-752-386-52	IC CXD2070Q	
IC9104	8-759-393-55	IC MC74F244MEL	
IC9105	8-759-393-55	IC MC74F244MEL	
IC9106	8-752-384-06	IC CXD2062Q	
IC9201	8-752-386-47	IC CXD2071R	
IC9202	8-759-485-79	IC TC7SET08FU(TE85L)	
IC9203	8-759-485-79	IC TC7SET08FU(TE85L)	
IC9204	8-752-053-21	IC CXA1211M	
		<COIL>	
L1001	1-412-525-31	INDUCTOR 10µH	
L1002	1-412-525-31	INDUCTOR 10µH	
L1003	1-412-525-31	INDUCTOR 10µH	
L1004	1-412-525-31	INDUCTOR 10µH	
L1005	1-412-525-31	INDUCTOR 10µH	
L1006	1-412-058-11	INDUCTOR CHIP 10µH	
L1008	1-412-058-11	INDUCTOR CHIP 10µH	
L1101	1-412-058-11	INDUCTOR CHIP 10µH	
L1102	1-412-058-11	INDUCTOR CHIP 10µH	
L1103	1-412-058-11	INDUCTOR CHIP 10µH	
L1104	1-412-058-11	INDUCTOR CHIP 10µH	
L1105	1-412-058-11	INDUCTOR CHIP 10µH	
L1106	1-412-058-11	INDUCTOR CHIP 10µH	
L1251	1-410-200-31	INDUCTOR CHIP 4.7µH	
L1252	1-412-058-11	INDUCTOR CHIP 10µH	
L1253	1-414-753-91	INDUCTOR 4.7µH	
L1254	1-414-753-91	INDUCTOR 4.7µH	
L1255	1-412-058-11	INDUCTOR CHIP 10µH	
L1256	1-412-058-11	INDUCTOR CHIP 10µH	
L1401	1-412-058-11	INDUCTOR CHIP 10µH	
L1402	1-412-058-11	INDUCTOR CHIP 10µH	
L1403	1-412-058-11	INDUCTOR CHIP 10µH	
L1404	1-414-235-22	INDUCTOR CHIP 0µH	
L1405	1-412-058-11	INDUCTOR CHIP 10µH	
L1406	1-414-235-22	INDUCTOR CHIP 0µH	
L1407	1-412-796-41	INDUCTOR 47µH	
L1408	1-412-058-11	INDUCTOR CHIP 10µH	
L1409	1-414-754-11	INDUCTOR 10µH	
L1411	1-412-058-11	INDUCTOR CHIP 10µH	
L1602	1-412-058-11	INDUCTOR CHIP 10µH	
L1603	1-412-058-11	INDUCTOR CHIP 10µH	
L1604	1-412-058-11	INDUCTOR CHIP 10µH	
L1901	1-412-058-11	INDUCTOR CHIP 10µH	
L1902	1-412-058-11	INDUCTOR CHIP 10µH	
L1903	1-412-058-11	INDUCTOR CHIP 10µH	
L1904	1-412-058-11	INDUCTOR CHIP 10µH	
L1905	1-412-058-11	INDUCTOR CHIP 10µH	
L1906	1-412-058-11	INDUCTOR CHIP 10µH	
L1907	1-412-058-11	INDUCTOR CHIP 10µH	
L9001	1-414-754-11	INDUCTOR 10µH	
L9002	1-414-757-11	INDUCTOR 100µH	
L9003	1-414-754-11	INDUCTOR 10µH	
L9004	1-414-757-11	INDUCTOR 100µH	
L9005	1-414-757-11	INDUCTOR 100µH	
L9006	1-414-757-11	INDUCTOR 100µH	
L9007	1-414-757-11	INDUCTOR 100µH	
L9008	1-414-754-11	INDUCTOR 10µH	
L9009	1-414-754-11	INDUCTOR 10µH	

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REF NO.	PART NO.	DESCRIPTION	REMARK
L9010	1-414-754-11	INDUCTOR 10µH	
L9011	1-414-754-11	INDUCTOR 10µH	
L9012	1-414-754-11	INDUCTOR 10µH	
L9101	1-414-754-11	INDUCTOR 10µH	
L9102	1-414-754-11	INDUCTOR 10µH	
L9103	1-414-754-11	INDUCTOR 10µH	
L9104	1-414-754-11	INDUCTOR 10µH	
L9105	1-414-754-11	INDUCTOR 10µH	
L9201	1-414-754-11	INDUCTOR 10µH	
L9202	1-414-754-11	INDUCTOR 10µH	
L9203	1-414-754-11	INDUCTOR 10µH	
		<TRANSISTOR>	
Q1001	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q1002	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q1003	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q1101	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1102	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1103	8-729-422-29	TRANSISTOR 2SD601A-S	
Q1105	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1106	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1107	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1108	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1110	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1111	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1112	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1113	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1114	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1115	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1116	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1117	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1118	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1119	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1120	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1121	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1122	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1123	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1124	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1125	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1126	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1127	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1128	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1129	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1251	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1252	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1253	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1254	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1255	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1256	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1257	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1258	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1259	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1260	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1261	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1262	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1263	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1264	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1265	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1266	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1267	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1268	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1401	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1402	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q1403	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1404	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1405	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1406	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1407	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1408	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1409	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1410	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1411	8-729-903-10	TRANSISTOR FMW1	
Q1412	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1413	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1414	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q1415	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1416	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1417	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1418	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1419	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1420	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1422	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1423	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1424	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1425	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1426	8-729-422-29	TRANSISTOR 2SD601A-S	
Q1427	8-729-422-29	TRANSISTOR 2SD601A-S	
Q1428	8-729-422-29	TRANSISTOR 2SD601A-S	
Q1430	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1431	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1432	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1435	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1436	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1437	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1607	8-729-902-96	TRANSISTOR FMS1	
Q1608	8-729-902-96	TRANSISTOR FMS1	
Q1609	8-729-902-96	TRANSISTOR FMS1	
Q1751	8-729-038-80	TRANSISTOR 2SA1182-Y(TE85R)	
Q1901	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1902	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1903	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1904	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1905	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1906	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1907	8-729-216-22	TRANSISTOR 2SA1162-G	
Q9001	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q9002	8-729-216-22	TRANSISTOR 2SA1162-G	
Q9003	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q9004	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q9201	8-729-216-22	TRANSISTOR 2SA1162-G	
Q9202	8-729-216-22	TRANSISTOR 2SA1162-G	
Q9203	8-729-216-22	TRANSISTOR 2SA1162-G	
Q9204	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q9205	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q9206	8-729-230-49	TRANSISTOR 2SC2712-YG	

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REF NO.	PART NO.	DESCRIPTION				REMARK
		<RESISTOR>				
R1001	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1002	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1003	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1004	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1005	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1006	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1007	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1008	1-216-013-00	RES,CHIP	33	5%	1/10W	
R1009	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1010	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1011	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1012	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1013	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1014	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1015	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1016	1-216-009-00	RES,CHIP	22	5%	1/10W	
R1017	1-216-009-00	RES,CHIP	22	5%	1/10W	
R1018	1-216-009-00	RES,CHIP	22	5%	1/10W	
R1019	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1020	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1021	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1022	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R1023	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R1024	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R1025	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R1026	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R1027	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R1028	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R1029	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R1030	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R1031	1-216-013-00	RES,CHIP	33	5%	1/10W	
R1032	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1033	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1034	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1035	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1036	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1037	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1038	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1039	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1040	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1041	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1042	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1043	1-216-643-11	METAL CHIP	470	0.50%	1/10W	
R1044	1-216-643-11	METAL CHIP	470	0.50%	1/10W	
R1045	1-216-643-11	METAL CHIP	470	0.50%	1/10W	
R1046	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1047	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1048	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1049	1-216-647-11	METAL CHIP	680	0.50%	1/10W	
R1050	1-216-647-11	METAL CHIP	680	0.50%	1/10W	
R1051	1-216-647-11	METAL CHIP	680	0.50%	1/10W	
R1052	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1053	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1054	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1055	1-216-013-00	RES,CHIP	33	5%	1/10W	
R1056	1-216-013-00	RES,CHIP	33	5%	1/10W	
R1057	1-216-013-00	RES,CHIP	33	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R1058	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1060	1-216-647-11	METAL CHIP	680	0.50%	1/10W	
R1061	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R1062	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R1063	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1064	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1065	1-216-295-91	SHORT	0			
R1066	1-216-295-91	SHORT	0			
R1067	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1071	1-216-295-91	SHORT	0			
R1072	1-216-295-91	SHORT	0			
R1073	1-216-295-91	SHORT	0			
R1077	1-216-295-91	SHORT	0			
R1082	1-216-399-00	METAL OXIDE	6.8	5%	3W	F
R1083	1-216-399-00	METAL OXIDE	6.8	5%	3W	F
R1084	1-216-623-11	METAL CHIP	68	0.50%	1/10W	
R1085	1-216-623-11	METAL CHIP	68	0.50%	1/10W	
R1086	1-216-623-11	METAL CHIP	68	0.50%	1/10W	
R1101	1-216-085-00	RES,CHIP	33K	5%	1/10W	
R1102	1-216-009-00	RES,CHIP	22	5%	1/10W	
R1103	1-216-009-00	RES,CHIP	22	5%	1/10W	
R1104	1-216-009-00	RES,CHIP	22	5%	1/10W	
R1105	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1106	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R1107	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	
R1108	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R1109	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1110	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1111	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1112	1-216-037-00	RES,CHIP	330	5%	1/10W	
R1113	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1114	1-216-621-11	METAL CHIP	56	0.50%	1/10W	
R1115	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W	
R1116	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1117	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1118	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W	
R1123	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1124	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1126	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1127	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1128	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1129	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1130	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1131	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1132	1-216-009-00	RES,CHIP	22	5%	1/10W	
R1133	1-216-009-00	RES,CHIP	22	5%	1/10W	
R1134	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1135	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1136	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1137	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1138	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1139	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R1140	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1141	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1142	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1143	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1144	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R1145	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	

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REF NO.	PART NO.	DESCRIPTION				REMARK
R1146	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1147	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1148	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	
R1149	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1150	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R1151	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R1152	1-216-033-00	RES,CHIP	220	5%	1/10W	
R1154	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1155	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R1156	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	
R1157	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1158	1-216-051-00	RES,CHIP	1.2K	5%	1/10W	
R1159	1-216-047-91	RES,CHIP	820	5%	1/10W	
R1160	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1161	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W	
R1162	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1163	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W	
R1164	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1165	1-216-661-11	METAL CHIP	2.7K	0.50%	1/10W	
R1166	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1167	1-216-041-00	RES,CHIP	470	5%	1/10W	
R1168	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1169	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1170	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1171	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1172	1-216-031-00	RES,CHIP	180	5%	1/10W	
R1173	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1174	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1175	1-216-031-00	RES,CHIP	180	5%	1/10W	
R1176	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R1177	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1178	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R1179	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R1180	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1181	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1182	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R1183	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R1184	1-216-665-11	METAL CHIP	3.9K	0.50%	1/10W	
R1185	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R1186	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1187	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1188	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R1189	1-216-051-00	RES,CHIP	1.2K	5%	1/10W	
R1190	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R1191	1-216-051-00	RES,CHIP	1.2K	5%	1/10W	
R1192	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	
R1193	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1194	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W	
R1195	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1196	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1197	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1198	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1199	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1200	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1201	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1202	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R1203	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R1204	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R1205	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R1206	1-216-013-00	RES,CHIP	33	5%	1/10W	
R1207	1-216-059-00	RES,CHIP	2.7K	5%	1/10W	
R1208	1-216-059-00	RES,CHIP	2.7K	5%	1/10W	
R1209	1-216-013-00	RES,CHIP	33	5%	1/10W	
R1210	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1211	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1212	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1252	1-216-121-91	RES,CHIP	1M	5%	1/10W	
R1253	1-216-295-91	SHORT	0			
R1256	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	
R1257	1-216-041-00	RES,CHIP	470	5%	1/10W	
R1258	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
R1259	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
R1260	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
R1261	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
R1263	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1264	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1265	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1266	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
R1267	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
R1268	1-216-023-00	RES,CHIP	82	5%	1/10W	
R1269	1-216-691-11	METAL CHIP	47K	0.50%	1/10W	
R1270	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1271	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1272	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1273	1-216-623-11	METAL CHIP	68	0.50%	1/10W	
R1274	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1275	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1276	1-216-679-11	METAL CHIP	15K	0.50%	1/10W	
R1277	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1278	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1279	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1280	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1283	1-216-295-91	SHORT	0			
R1285	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1286	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1287	1-216-645-11	METAL CHIP	560	0.50%	1/10W	
R1288	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1289	1-216-645-11	METAL CHIP	560	0.50%	1/10W	
R1290	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R1291	1-216-644-11	METAL CHIP	510	0.50%	1/10W	
R1292	1-216-646-11	METAL CHIP	620	0.50%	1/10W	
R1293	1-216-295-91	SHORT	0			
R1294	1-216-041-00	RES,CHIP	470	5%	1/10W	
R1295	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W	
R1296	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W	
R1297	1-216-067-00	RES,CHIP	5.6K	5%	1/10W	
R1298	1-216-295-91	SHORT	0			
R1299	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1300	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1301	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1302	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1303	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1304	1-216-645-11	METAL CHIP	560	0.50%	1/10W	
R1305	1-216-647-11	METAL CHIP	680	0.50%	1/10W	
R1306	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1307	1-216-071-00	RES,CHIP	8.2K	5%	1/10W	
R1308	1-216-105-91	RES,CHIP	220K	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R1309	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1310	1-216-295-91	SHORT	0			
R1311	1-216-009-00	RES,CHIP	22	5%	1/10W	
R1312	1-216-043-91	RES,CHIP	560	5%	1/10W	
R1314	1-216-033-00	RES,CHIP	220	5%	1/10W	
R1315	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1316	1-216-047-91	RES,CHIP	820	5%	1/10W	
R1317	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R1318	1-216-047-91	RES,CHIP	820	5%	1/10W	
R1319	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1320	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R1321	1-216-085-00	RES,CHIP	33K	5%	1/10W	
R1322	1-216-075-00	RES,CHIP	12K	5%	1/10W	
R1323	1-216-085-00	RES,CHIP	33K	5%	1/10W	
R1324	1-216-075-00	RES,CHIP	12K	5%	1/10W	
R1325	1-216-645-11	METAL CHIP	560	0.50%	1/10W	
R1326	1-216-647-11	METAL CHIP	680	0.50%	1/10W	
R1327	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W	
R1328	1-216-295-91	SHORT	0			
R1329	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1330	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1331	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1332	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1333	1-216-645-11	METAL CHIP	560	0.50%	1/10W	
R1334	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1335	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1401	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1402	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1403	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1404	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	
R1405	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1406	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R1407	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	
R1408	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1409	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1410	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1411	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R1412	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1413	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1414	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1415	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1416	1-216-647-11	METAL CHIP	680	0.50%	1/10W	
R1417	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	
R1418	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R1419	1-216-059-00	RES,CHIP	2.7K	5%	1/10W	
R1420	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R1421	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R1422	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W	
R1423	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R1424	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W	
R1425	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	
R1426	1-216-647-11	METAL CHIP	680	0.50%	1/10W	
R1427	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R1428	1-216-017-91	RES.CHIP	47	5%	1/10W	
R1429	1-216-295-91	SHORT	0			
R1430	1-216-097-91	RES.CHIP	100K	5%	1/10W	
R1431	1-216-091-00	RES.CHIP	56K	5%	1/10W	
R1432	1-216-017-91	RES.CHIP	47	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R1433	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1434	1-216-067-00	RES,CHIP	5.6K	5%	1/10W	
R1435	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1436	1-216-083-00	RES,CHIP	27K	5%	1/10W	
R1437	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1438	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	
R1439	1-216-033-00	RES,CHIP	220	5%	1/10W	
R1440	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R1441	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1442	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R1443	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1444	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R1445	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1446	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1447	1-216-047-91	RES,CHIP	820	5%	1/10W	
R1448	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1449	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1450	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1451	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1452	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1453	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1454	1-216-643-11	METAL CHIP	470	0.50%	1/10W	
R1455	1-216-643-11	METAL CHIP	470	0.50%	1/10W	
R1456	1-216-643-11	METAL CHIP	470	0.50%	1/10W	
R1457	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W	
R1458	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R1459	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W	
R1460	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W	
R1461	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W	
R1462	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R1463	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W	
R1464	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R1465	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1466	1-216-295-91	SHORT	0			
R1467	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1468	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1469	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1470	1-218-767-11	METAL CHIP	430K	0.50%	1/10W	
R1471	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W	
R1472	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R1473	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1475	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1476	1-216-101-00	RES,CHIP	150K	5%	1/10W	
R1477	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R1478	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1482	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1483	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1484	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1485	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1486	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1487	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1488	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1489	1-216-017-91	RES.CHIP	47	5%	1/10W	
R1490	1-216-017-91	RES.CHIP	47	5%	1/10W	
R1491	1-216-081-00	RES.CHIP	22K	5%	1/10W	
R1492	1-216-085-00	RES.CHIP	33K	5%	1/10W	
R1493	1-216-081-00	RES.CHIP	22K	5%	1/10W	
R1494	1-216-085-00	RES.CHIP	33K	5%	1/10W	

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REF NO.	PART NO.	DESCRIPTION			REMARK
R1495	1-216-081-00	RES,CHIP	22K	5%	1/10W
R1496	1-216-085-00	RES,CHIP	33K	5%	1/10W
R1497	1-216-025-91	RES,CHIP	100	5%	1/10W
R1498	1-216-025-91	RES,CHIP	100	5%	1/10W
R1499	1-216-025-91	RES,CHIP	100	5%	1/10W
R1500	1-216-025-91	RES,CHIP	100	5%	1/10W
R1501	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R1502	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R1503	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1504	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R1505	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R1506	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R1507	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R1508	1-216-025-91	RES,CHIP	100	5%	1/10W
R1509	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1510	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R1511	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R1512	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R1513	1-216-025-91	RES,CHIP	100	5%	1/10W
R1514	1-216-025-91	RES,CHIP	100	5%	1/10W
R1515	1-216-037-00	RES,CHIP	330	5%	1/10W
R1516	1-216-037-00	RES,CHIP	330	5%	1/10W
R1517	1-216-037-00	RES,CHIP	330	5%	1/10W
R1526	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1528	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1530	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1535	1-216-295-91	SHORT	0		
R1536	1-216-017-91	RES,CHIP	47	5%	1/10W
R1537	1-216-017-91	RES,CHIP	47	5%	1/10W
R1538	1-216-017-91	RES,CHIP	47	5%	1/10W
R1539	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1540	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1541	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1601	1-216-017-91	RES,CHIP	47	5%	1/10W
R1607	1-216-017-91	RES,CHIP	47	5%	1/10W
R1612	1-216-017-91	RES,CHIP	47	5%	1/10W
R1620	1-216-109-00	RES,CHIP	330K	5%	1/10W
R1621	1-216-017-91	RES,CHIP	47	5%	1/10W
R1622	1-216-077-00	RES,CHIP	15K	5%	1/10W
R1623	1-216-017-91	RES,CHIP	47	5%	1/10W
R1629	1-216-041-00	RES,CHIP	470	5%	1/10W
R1632	1-216-017-91	RES,CHIP	47	5%	1/10W
R1633	1-216-017-91	RES,CHIP	47	5%	1/10W
R1635	1-216-017-91	RES,CHIP	47	5%	1/10W
R1638	1-216-017-91	RES,CHIP	47	5%	1/10W
R1641	1-216-041-00	RES,CHIP	470	5%	1/10W
R1647	1-216-017-91	RES,CHIP	47	5%	1/10W
R1650	1-216-017-91	RES,CHIP	47	5%	1/10W
R1651	1-216-017-91	RES,CHIP	47	5%	1/10W
R1653	1-216-017-91	RES,CHIP	47	5%	1/10W
R1654	1-216-041-00	RES,CHIP	470	5%	1/10W
R1657	1-216-025-91	RES,CHIP	100	5%	1/10W
R1658	1-216-025-91	RES,CHIP	100	5%	1/10W
R1663	1-216-017-91	RES,CHIP	47	5%	1/10W
R1664	1-216-017-91	RES,CHIP	47	5%	1/10W
R1665	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R1668	1-216-077-00	RES,CHIP	15K	5%	1/10W
R1669	1-216-017-91	RES,CHIP	47	5%	1/10W

REF NO.	PART NO.	DESCRIPTION			REMARK
R1672	1-216-083-00	RES,CHIP	27K	5%	1/10W
R1673	1-216-025-91	RES,CHIP	100	5%	1/10W
R1674	1-216-025-91	RES,CHIP	100	5%	1/10W
R1675	1-216-025-91	RES,CHIP	100	5%	1/10W
R1676	1-216-025-91	RES,CHIP	100	5%	1/10W
R1677	1-216-025-91	RES,CHIP	100	5%	1/10W
R1678	1-216-025-91	RES,CHIP	100	5%	1/10W
R1679	1-216-025-91	RES,CHIP	100	5%	1/10W
R1680	1-216-025-91	RES,CHIP	100	5%	1/10W
R1681	1-216-025-91	RES,CHIP	100	5%	1/10W
R1682	1-216-025-91	RES,CHIP	100	5%	1/10W
R1685	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1686	1-216-009-00	RES,CHIP	22	5%	1/10W
R1687	1-216-009-00	RES,CHIP	22	5%	1/10W
R1688	1-216-009-00	RES,CHIP	22	5%	1/10W
R1754	1-216-295-91	SHORT	0		
R1759	1-216-039-00	RES,CHIP	390	5%	1/10W
R1760	1-216-039-00	RES,CHIP	390	5%	1/10W
R1761	1-216-039-00	RES,CHIP	390	5%	1/10W
R1762	1-216-039-00	RES,CHIP	390	5%	1/10W
R1766	1-216-039-00	RES,CHIP	390	5%	1/10W
R1767	1-216-039-00	RES,CHIP	390	5%	1/10W
R1768	1-216-039-00	RES,CHIP	390	5%	1/10W
R1769	1-216-039-00	RES,CHIP	390	5%	1/10W
R1770	1-216-039-00	RES,CHIP	390	5%	1/10W
R1771	1-216-039-00	RES,CHIP	390	5%	1/10W
R1772	1-216-039-00	RES,CHIP	390	5%	1/10W
R1773	1-216-039-00	RES,CHIP	390	5%	1/10W
R1774	1-216-295-91	SHORT	0		
R1777	1-216-039-00	RES,CHIP	390	5%	1/10W
R1778	1-216-039-00	RES,CHIP	390	5%	1/10W
R1781	1-216-039-00	RES,CHIP	390	5%	1/10W
R1782	1-216-039-00	RES,CHIP	390	5%	1/10W
R1783	1-216-039-00	RES,CHIP	390	5%	1/10W
R1784	1-216-039-00	RES,CHIP	390	5%	1/10W
R1785	1-216-039-00	RES,CHIP	390	5%	1/10W
R1786	1-216-039-00	RES,CHIP	390	5%	1/10W
R1787	1-216-039-00	RES,CHIP	390	5%	1/10W
R1788	1-216-039-00	RES,CHIP	390	5%	1/10W
R1789	1-216-039-00	RES,CHIP	390	5%	1/10W
R1790	1-216-039-00	RES,CHIP	390	5%	1/10W
R1791	1-216-039-00	RES,CHIP	390	5%	1/10W
R1792	1-216-039-00	RES,CHIP	390	5%	1/10W
R1793	1-216-039-00	RES,CHIP	390	5%	1/10W
R1794	1-216-039-00	RES,CHIP	390	5%	1/10W
R1795	1-216-039-00	RES,CHIP	390	5%	1/10W
R1796	1-216-039-00	RES,CHIP	390	5%	1/10W
R1797	1-216-039-00	RES,CHIP	390	5%	1/10W
R1799	1-216-039-00	RES,CHIP	390	5%	1/10W
R1807	1-216-039-00	RES,CHIP	390	5%	1/10W
R1808	1-216-039-00	RES,CHIP	390	5%	1/10W
R1809	1-216-039-00	RES,CHIP	390	5%	1/10W
R1810	1-216-039-00	RES,CHIP	390	5%	1/10W
R1811	1-216-039-00	RES,CHIP	390	5%	1/10W
R1812	1-216-039-00	RES,CHIP	390	5%	1/10W
R1813	1-216-039-00	RES,CHIP	390	5%	1/10W
R1814	1-216-039-00	RES,CHIP	390	5%	1/10W
R1815	1-216-039-00	RES,CHIP	390	5%	1/10W
R1816	1-216-039-00	RES,CHIP	390	5%	1/10W

REF NO.	PART NO.	DESCRIPTION				REMARK
R1817	1-216-039-00	RES,CHIP	390	5%	1/10W	
R1818	1-216-039-00	RES,CHIP	390	5%	1/10W	
R1819	1-216-039-00	RES,CHIP	390	5%	1/10W	
R1820	1-216-039-00	RES,CHIP	390	5%	1/10W	
R1821	1-216-039-00	RES,CHIP	390	5%	1/10W	
R1822	1-216-039-00	RES,CHIP	390	5%	1/10W	
R1823	1-216-295-91	SHORT	0			
R1827	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R1828	1-216-649-11	METAL CHIP	820	0.50%	1/10W	
R1829	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1830	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R1831	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1832	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1833	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1834	1-216-017-91	RES,CHIP	47	5%	1/10W	
R1901	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1902	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1905	1-216-013-00	RES,CHIP	33	5%	1/10W	
R1906	1-216-013-00	RES,CHIP	33	5%	1/10W	
R1907	1-216-013-00	RES,CHIP	33	5%	1/10W	
R1909	1-216-013-00	RES,CHIP	33	5%	1/10W	
R1910	1-216-013-00	RES,CHIP	33	5%	1/10W	
R1914	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1916	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	
R1917	1-216-033-00	RES,CHIP	220	5%	1/10W	
R1918	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1919	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1920	1-216-639-11	METAL CHIP	330	0.50%	1/10W	
R1921	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1922	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R1923	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1924	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1927	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1928	1-216-013-00	RES,CHIP	33	5%	1/10W	
R1929	1-216-013-00	RES,CHIP	33	5%	1/10W	
R1930	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1931	1-216-041-00	RES,CHIP	470	5%	1/10W	
R1932	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1933	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1934	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R1935	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1936	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1937	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1938	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	
R1939	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R1940	1-216-013-00	RES,CHIP	33	5%	1/10W	
R1941	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1942	1-216-656-11	METAL CHIP	1.6K	0.50%	1/10W	
R1943	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W	
R1948	1-216-295-91	SHORT	0			
R1949	1-216-295-91	SHORT	0			
R1950	1-216-295-91	SHORT	0			
R1952	1-216-295-91	SHORT	0			
R1956	1-216-039-00	RES,CHIP	390	5%	1/10W	
R1957	1-216-039-00	RES,CHIP	390	5%	1/10W	
R1958	1-216-039-00	RES,CHIP	390	5%	1/10W	
R1959	1-216-039-00	RES,CHIP	390	5%	1/10W	
R1960	1-216-039-00	RES,CHIP	390	5%	1/10W	
R1961	1-216-039-00	RES,CHIP	390	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R1962	1-216-039-00	RES,CHIP	390	5%	1/10W	
R1963	1-216-039-00	RES,CHIP	390	5%	1/10W	
R1964	1-216-037-00	RES,CHIP	330	5%	1/10W	
R1965	1-216-037-00	RES,CHIP	330	5%	1/10W	
R1966	1-216-037-00	RES,CHIP	330	5%	1/10W	
R1967	1-216-037-00	RES,CHIP	330	5%	1/10W	
R1968	1-216-295-91	SHORT	0			
R1969	1-216-295-91	SHORT	0			
R1970	1-216-295-91	SHORT	0			
R1971	1-216-295-91	SHORT	0			
R1972	1-216-019-00	RES,CHIP	56	5%	1/10W	
R1973	1-216-019-00	RES,CHIP	56	5%	1/10W	
R1974	1-216-295-91	SHORT	0			
R1975	1-216-295-91	SHORT	0			
R1976	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1977	1-216-025-91	RES,CHIP	100	5%	1/10W	
R1978	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1979	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1980	1-216-295-91	SHORT	0			
R1981	1-216-295-91	SHORT	0			
R1982	1-216-295-91	SHORT	0			
R1983	1-216-295-91	SHORT	0			
R1984	1-216-019-00	RES,CHIP	56	5%	1/10W	
R1985	1-216-019-00	RES,CHIP	56	5%	1/10W	
R1986	1-216-019-00	RES,CHIP	56	5%	1/10W	
R1987	1-216-019-00	RES,CHIP	56	5%	1/10W	
R1988	1-216-295-91	SHORT	0			
R1989	1-216-295-91	SHORT	0			
R1990	1-216-295-91	SHORT	0			
R1991	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R1992	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R1993	1-216-037-00	RES,CHIP	330	5%	1/10W	
R1994	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1995	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1996	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1997	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R1998	1-216-013-00	RES,CHIP	33	5%	1/10W	
R1999	1-216-013-00	RES,CHIP	33	5%	1/10W	
R9001	1-216-295-91	SHORT	0			
R9002	1-216-295-91	SHORT	0			
R9003	1-216-037-00	RES,CHIP	330	5%	1/10W	
R9004	1-216-047-91	RES,CHIP	820	5%	1/10W	
R9005	1-216-037-00	RES,CHIP	330	5%	1/10W	
R9006	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R9007	1-216-117-00	RES,CHIP	680K	5%	1/10W	
R9008	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R9009	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R9011	1-216-295-91	SHORT	0			
R9012	1-216-117-00	RES,CHIP	680K	5%	1/10W	
R9013	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R9014	1-216-091-00	RES,CHIP	56K	5%	1/10W	
R9015	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R9016	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R9017	1-216-025-91	RES,CHIP	100	5%	1/10W	
R9018	1-216-025-91	RES,CHIP	100	5%	1/10W	
R9019	1-216-033-00	RES,CHIP	220	5%	1/10W	
R9020	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R9021	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R9022	1-216-062-00	RES,CHIP	3.6K	5%	1/10W	
R9024	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R9026	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9027	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R9028	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	
R9029	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R9031	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W	
R9032	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R9034	1-216-621-11	METAL CHIP	56	0.50%	1/10W	
R9035	1-216-621-11	METAL CHIP	56	0.50%	1/10W	
R9036	1-216-623-11	METAL CHIP	68	0.50%	1/10W	
R9037	1-216-623-11	METAL CHIP	68	0.50%	1/10W	
R9038	1-216-621-11	METAL CHIP	56	0.50%	1/10W	
R9039	1-216-295-91	SHORT	0			
R9040	1-216-621-11	METAL CHIP	56	0.50%	1/10W	
R9041	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R9042	1-216-025-91	RES,CHIP	100	5%	1/10W	
R9043	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R9044	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R9045	1-216-621-11	METAL CHIP	56	0.50%	1/10W	
R9046	1-216-295-91	SHORT	0			
R9047	1-216-295-91	SHORT	0			
R9048	1-216-621-11	METAL CHIP	56	0.50%	1/10W	
R9049	1-216-624-11	METAL CHIP	75	0.50%	1/10W	
R9050	1-216-624-11	METAL CHIP	75	0.50%	1/10W	
R9051	1-216-621-11	METAL CHIP	56	0.50%	1/10W	
R9052	1-216-621-11	METAL CHIP	56	0.50%	1/10W	
R9053	1-216-039-00	RES,CHIP	390	5%	1/10W	
R9101	1-216-295-91	SHORT	0			
R9103	1-216-295-91	SHORT	0			
R9105	1-216-295-91	SHORT	0			
R9107	1-216-295-91	SHORT	0			
R9109	1-216-639-11	METAL CHIP	330	0.50%	1/10W	
R9110	1-216-639-11	METAL CHIP	330	0.50%	1/10W	
R9111	1-216-647-11	METAL CHIP	680	0.50%	1/10W	
R9112	1-216-647-11	METAL CHIP	680	0.50%	1/10W	
R9113	1-216-295-91	SHORT	0			
R9201	1-216-295-91	SHORT	0			
R9202	1-216-295-91	SHORT	0			
R9205	1-216-295-91	SHORT	0			
R9208	1-216-295-91	SHORT	0			
R9209	1-216-295-91	SHORT	0			
R9211	1-216-025-91	RES,CHIP	100	5%	1/10W	
R9212	1-216-025-91	RES,CHIP	100	5%	1/10W	
R9213	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W	
R9214	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R9215	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	
R9216	1-216-634-11	METAL CHIP	200	0.50%	1/10W	
R9217	1-216-634-11	METAL CHIP	200	0.50%	1/10W	
R9218	1-216-634-11	METAL CHIP	200	0.50%	1/10W	
R9219	1-216-635-11	METAL CHIP	220	0.50%	1/10W	
R9220	1-216-635-11	METAL CHIP	220	0.50%	1/10W	
R9221	1-216-025-91	RES,CHIP	100	5%	1/10W	
R9222	1-216-635-11	METAL CHIP	220	0.50%	1/10W	
R9223	1-216-025-91	RES,CHIP	100	5%	1/10W	
R9224	1-216-635-11	METAL CHIP	220	0.50%	1/10W	
R9225	1-216-635-11	METAL CHIP	220	0.50%	1/10W	
R9226	1-216-635-11	METAL CHIP	220	0.50%	1/10W	
R9227	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	
R9228	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	
R9229	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	
R9243	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R9244	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R9245	1-216-009-00	RES,CHIP	22	5%	1/10W	
R9246	1-216-009-00	RES,CHIP	22	5%	1/10W	
R9247	1-216-009-00	RES,CHIP	22	5%	1/10W	
R9248	1-216-643-11	METAL CHIP	470	0.50%	1/10W	
R9249	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R9250	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R9251	1-216-295-91	SHORT	0			
R9252	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W	
R9253	1-216-647-11	METAL CHIP	680	0.50%	1/10W	
R9301	1-216-013-00	RES,CHIP	33	5%	1/10W	
R9302	1-216-013-00	RES,CHIP	33	5%	1/10W	
R9303	1-216-013-00	RES,CHIP	33	5%	1/10W	
R9304	1-216-013-00	RES,CHIP	33	5%	1/10W	
R9305	1-216-013-00	RES,CHIP	33	5%	1/10W	
R9306	1-216-013-00	RES,CHIP	33	5%	1/10W	
R9307	1-216-013-00	RES,CHIP	33	5%	1/10W	
R9308	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9309	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9310	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9311	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9312	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9313	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9314	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9315	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9316	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9317	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9321	1-216-121-91	RES,CHIP	1M	5%	1/10W	
R9322	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9323	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9324	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9325	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9326	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9327	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9328	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9329	1-216-025-91	RES,CHIP	100	5%	1/10W	
R9331	1-216-025-91	RES,CHIP	100	5%	1/10W	
R9333	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R9334	1-216-025-91	RES,CHIP	100	5%	1/10W	
R9339	1-216-673-11	METAL CHIP	8.2K	0.50%	1/10W	
R9340	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9341	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9342	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9343	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9347	1-216-691-11	METAL CHIP	47K	0.50%	1/10W	
R9401	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R9402	1-216-025-91	RES,CHIP	100	5%	1/10W	
R9403	1-216-025-91	RES,CHIP	100	5%	1/10W	
		<CRYSTAL>				
X1201	1-767-606-11	VIBRATOR, CRYSTAL(20MHZ)(AT51)				
X1401	1-760-191-11	VIBRATOR, CRYSTAL(3.579545MHZ)				
X1402	1-760-191-11	VIBRATOR, CRYSTAL(4.433618MHZ)				
X1403	1-579-973-11	VIBRATOR, CRYSTAL(3.575611MHZ)(PAL-M)				
X1901	1-760-273-11	VIBRATOR, CRYSTAL(20MHZ)				

REF NO.	PART NO.	DESCRIPTION				REMARK
**						
	* A-1135-953-A	BB COMPL				
		********				
	3-179-084-01	LEVER (R), PC BOARD				
	3-179-085-01	LEVER (L), PC BOARD				
		<CAPACITOR>				
C3001	1-128-401-11	ELECT CHIP	100MF	20%	25V	
C3002	1-128-393-11	ELECT CHIP	100MF	20%	10V	
C3003	1-128-393-11	ELECT CHIP	100MF	20%	10V	
C3004	1-128-401-11	ELECT CHIP	100MF	20%	25V	
C3005	1-128-393-11	ELECT CHIP	100MF	20%	10V	
C3006	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3007	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3008	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3009	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3010	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3011	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3012	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3013	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3014	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3015	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3016	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3017	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3018	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3019	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3020	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3021	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3022	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3023	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3024	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3025	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3026	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3027	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3028	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3029	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3030	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3031	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3032	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3033	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3034	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3101	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3102	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3103	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3104	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3105	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3106	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3107	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3108	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3109	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3110	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3111	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3112	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3113	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3114	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3115	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3116	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3117	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3118	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3119	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3120	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3121	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3122	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3123	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3124	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3125	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3126	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3127	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3128	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3129	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3130	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3131	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3132	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3221	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3222	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3223	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3224	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3225	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3226	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3227	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3301	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3302	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3303	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3304	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3305	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3306	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3307	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3308	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3309	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3310	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3311	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3312	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3313	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3314	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3401	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3402	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3403	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3404	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3405	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3406	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3407	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3408	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3409	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3410	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3411	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3412	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3413	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3414	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3501	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3502	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3503	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3504	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3505	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3506	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3507	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3508	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3509	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	

BB

REF NO.	PART NO.	DESCRIPTION				REMARK
C3510	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3511	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3512	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3513	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3514	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3601	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C3602	1-163-121-00	CERAMIC CHIP	150PF	5%	50V	
C3603	1-126-395-11	ELECT CHIP	22MF	20%	16V	
C3604	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3605	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3606	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3607	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3608	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3609	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C3610	1-163-121-00	CERAMIC CHIP	150PF	5%	50V	
C3611	1-126-395-11	ELECT CHIP	22MF	20%	16V	
C3612	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3613	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3614	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3615	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3616	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3617	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3618	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3619	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3620	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3621	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3622	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3623	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3624	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3625	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3627	1-128-393-11	ELECT CHIP	100MF	20%	10V	
C3628	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3629	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3801	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3802	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3803	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3804	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3805	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3806	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3807	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3808	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3809	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3810	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3811	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3812	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3813	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3814	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3815	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3816	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3817	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3818	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3819	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3820	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3821	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3822	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3823	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3824	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3825	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3826	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3827	1-126-206-11	ELECT CHIP	100MF	20%	6.3V	
C3828	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3829	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3830	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3831	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3832	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3833	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3834	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3835	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3836	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3837	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3838	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3839	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3840	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3841	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3842	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3843	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3844	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3845	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3846	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3847	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3848	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3849	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3850	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3851	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3852	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3853	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3854	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3855	1-126-206-11	ELECT CHIP	100MF	20%	6.3V	
C3856	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3857	1-128-393-11	ELECT CHIP	100MF	20%	10V	
C3858	1-128-393-11	ELECT CHIP	100MF	20%	10V	
C3901	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3902	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3903	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3904	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3905	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3906	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3907	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3908	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3909	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3910	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3911	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3912	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3913	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3914	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3915	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3916	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3917	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3918	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3919	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3920	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3921	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3922	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C3923	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3924	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3925	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	

REF NO.	PART NO.	DESCRIPTION				REMARK
C3926	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3927	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3928	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3929	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3930	1-126-206-11	ELECT CHIP	100MF	20%	6.3V	
C3931	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3932	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3933	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3934	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3935	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3936	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C3937	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C3938	1-128-393-11	ELECT CHIP	100MF	20%	10V	
		<CONNECTOR>				
CN3001	*1-785-559-11	CONNECTOR, BOARD TO BOARD 140P				
CN3201	*1-691-551-11	PIN, CONNECTOR (SMD) 8P				
CN3601	*1-691-551-11	PIN, CONNECTOR (SMD) 8P				
CN3602	1-770-837-11	CONNECTOR, BOARD TO BOARD 30P				
		<FERRITE BEAD>				
FB3801	1-469-365-21	INDUCTOR	0μH			
FB3802	1-469-365-21	INDUCTOR	0μH			
FB3901	1-469-365-21	INDUCTOR	0μH			
FB3902	1-469-365-21	INDUCTOR	0μH			
		<FILTER>				
FL3001	1-239-466-21	FILTER, EMI				
FL3002	1-239-400-11	FILTER, CHIP EMI				
FL3003	1-239-400-11	FILTER, CHIP EMI				
FL3004	1-239-466-21	FILTER, EMI				
FL3005	1-239-466-21	FILTER, EMI				
FL3006	1-239-466-21	FILTER, EMI				
FL3007	1-239-466-21	FILTER, EMI				
FL3008	1-239-400-11	FILTER, CHIP EMI				
FL3016	1-239-466-21	FILTER, EMI				
FL3025	1-239-466-21	FILTER, EMI				
FL3026	1-239-466-21	FILTER, EMI				
FL3027	1-239-466-21	FILTER, EMI				
		<IC>				
IC3001	8-759-456-26	IC 74LCX541MTCX				
IC3002	8-759-456-26	IC 74LCX541MTCX				
IC3003	8-759-386-26	IC 74LCX574MTCX				
IC3004	8-759-386-26	IC 74LCX574MTCX				
IC3005	8-759-012-13	IC MC10H125M				
IC3006	8-759-012-00	IC MC10H116M				
IC3007	8-759-563-32	IC CXG8007TQ				
IC3008	8-759-389-26	IC 74LCX08MTCX				
IC3009	8-759-389-26	IC 74LCX08MTCX				
IC3010	8-759-386-26	IC 74LCX574MTCX				
IC3011	8-759-386-26	IC 74LCX574MTCX				
IC3012	8-759-490-41	IC TC74VHCT541AFT(EL)				
IC3101	8-759-563-32	IC CXG8007TQ				
IC3102	8-759-563-32	IC CXG8007TQ				
IC3201	8-759-563-33	IC CXD8774R				
IC3202	8-759-571-43	IC ISPLSI1016E-80LT44-BB02V1				
IC3203	8-759-456-26	IC 74LCX541MTCX				
IC3204	8-759-456-26	IC 74LCX541MTCX				

REF NO.	PART NO.	DESCRIPTION				REMARK
IC3301	8-759-559-51	IC IP90C63				
IC3302	8-759-434-14	IC HM5283206FP-10				
IC3303	8-759-559-51	IC IP90C63				
IC3304	8-759-434-14	IC HM5283206FP-10				
IC3305	8-759-466-57	IC 74LCX157MTCX				
IC3306	8-759-466-57	IC 74LCX157MTCX				
IC3307	8-759-466-57	IC 74LCX157MTCX				
IC3308	8-759-466-57	IC 74LCX157MTCX				
IC3309	8-759-386-26	IC 74LCX574MTCX				
IC3310	8-759-386-26	IC 74LCX574MTCX				
IC3401	8-759-559-51	IC IP90C63				
IC3402	8-759-434-14	IC HM5283206FP-10				
IC3403	8-759-559-51	IC IP90C63				
IC3404	8-759-434-14	IC HM5283206FP-10				
IC3405	8-759-466-57	IC 74LCX157MTCX				
IC3406	8-759-466-57	IC 74LCX157MTCX				
IC3407	8-759-466-57	IC 74LCX157MTCX				
IC3408	8-759-466-57	IC 74LCX157MTCX				
IC3409	8-759-386-26	IC 74LCX574MTCX				
IC3410	8-759-386-26	IC 74LCX574MTCX				
IC3501	8-759-559-51	IC IP90C63				
IC3502	8-759-434-14	IC HM5283206FP-10				
IC3503	8-759-559-51	IC IP90C63				
IC3504	8-759-434-14	IC HM5283206FP-10				
IC3505	8-759-466-57	IC 74LCX157MTCX				
IC3506	8-759-466-57	IC 74LCX157MTCX				
IC3507	8-759-466-57	IC 74LCX157MTCX				
IC3508	8-759-466-57	IC 74LCX157MTCX				
IC3509	8-759-386-26	IC 74LCX574MTCX				
IC3510	8-759-386-26	IC 74LCX574MTCX				
IC3601	8-759-473-33	IC IMISM530AYB-D				
IC3602	8-759-571-42	IC ISPLSI1016E-80LT44-BB01V1				
IC3603	8-759-456-26	IC 74LCX541MTCX				
IC3604	8-759-473-33	IC IMISM530AYB-D				
IC3605	8-759-456-26	IC 74LCX541MTCX				
IC3606	8-759-456-26	IC 74LCX541MTCX				
IC3607	8-759-564-27	IC GMZ1AH2B				
IC3608	8-759-456-26	IC 74LCX541MTCX				
IC3609	8-759-456-26	IC 74LCX541MTCX				
IC3610	8-759-456-26	IC 74LCX541MTCX				
IC3611	8-759-477-70	IC MC10H351MEL				
IC3612	8-759-477-70	IC MC10H351MEL				
IC3613	8-759-466-55	IC 74LCX74MTCX				
IC3614	8-759-466-55	IC 74LCX74MTCX				
IC3801	8-759-544-02	IC CXD8760FQ				
IC3802	8-752-082-48	IC CXA3197R				
IC3803	8-759-544-02	IC CXD8760FQ				
IC3804	8-752-082-48	IC CXA3197R				
IC3901	8-759-544-02	IC CXD8760FQ				
IC3902	8-752-082-48	IC CXA3197R				
IC3903	8-759-544-01	IC S-80828ANNP-EDR-T2				
IC3904	8-759-389-30	IC 74LCX32MTCX				
IC3905	8-759-475-44	IC TC74LCX138FT(EL)				
IC3906	*8-759-570-98	IC MBM29LV002T-SX1647				
		<RESISTOR>				
R3001	1-216-025-91	RES.CHIP	100	5%	1/10W	

BB

REF NO.	PART NO.	DESCRIPTION				REMARK
R3002	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3003	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3004	1-216-295-91	SHORT	0			
R3005	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3006	1-216-019-00	RES,CHIP	56	5%	1/10W	
R3007	1-216-019-00	RES,CHIP	56	5%	1/10W	
R3008	1-216-019-00	RES,CHIP	56	5%	1/10W	
R3009	1-216-019-00	RES,CHIP	56	5%	1/10W	
R3010	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3011	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3012	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3013	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3014	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3015	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3016	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3017	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3020	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3022	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3023	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3101	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3102	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3103	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3104	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3105	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3106	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3107	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3108	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3111	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3113	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3114	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3115	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3116	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3117	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3118	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3119	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3120	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3121	1-216-025-91	RES,CHIP	100	5%	1/10W	
R3124	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3126	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3127	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3217	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3218	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3221	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3224	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3226	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3229	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3232	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R3233	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R3234	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3235	1-216-073-00	RES.CHIP	10K	5%	1/10W	
R3236	1-216-073-00	RES.CHIP	10K	5%	1/10W	
R3238	1-216-073-00	RES.CHIP	10K	5%	1/10W	
R3239	1-216-073-00	RES.CHIP	10K	5%	1/10W	
R3240	1-216-073-00	RES.CHIP	10K	5%	1/10W	
R3241	1-216-073-00	RES.CHIP	10K	5%	1/10W	
R3247	1-216-073-00	RES.CHIP	10K	5%	1/10W	
R3248	1-216-073-00	RES.CHIP	10K	5%	1/10W	
R3249	1-216-073-00	RES.CHIP	10K	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R3250	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3251	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3252	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3253	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3254	1-216-295-91	SHORT	0			
R3255	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3256	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3257	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3258	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3259	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3260	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3261	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3263	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3264	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3265	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3266	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3267	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3268	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3269	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3270	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3271	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3272	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3273	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3274	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3275	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3276	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3277	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3278	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3279	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3280	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3281	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3282	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3283	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3601	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	
R3602	1-216-295-91	SHORT	0			
R3603	1-216-295-91	SHORT	0			
R3604	1-216-295-91	SHORT	0			
R3605	1-216-295-91	SHORT	0			
R3606	1-216-295-91	SHORT	0			
R3607	1-216-001-00	RES,CHIP	10	5%	1/10W	
R3608	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3609	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3610	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3611	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3612	1-216-295-91	SHORT	0			
R3613	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3614	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3615	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3616	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R3617	1-216-295-91	SHORT	0			
R3618	1-216-295-91	SHORT	0			
R3619	1-216-295-91	SHORT	0			
R3620	1-216-295-91	SHORT	0			
R3622	1-216-009-00	RES.CHIP	22	5%	1/10W	
R3623	1-216-049-91	RES.CHIP	1K	5%	1/10W	
R3624	1-216-009-00	RES.CHIP	22	5%	1/10W	
R3625	1-216-049-91	RES.CHIP	1K	5%	1/10W	
R3626	1-216-009-00	RES.CHIP	22	5%	1/10W	

BB

REF NO.	PART NO.	DESCRIPTION	REMARK
R3627	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3628	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3629	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3630	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3631	1-216-063-91	RES,CHIP 3.9K 5% 1/10W	
R3633	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3634	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3635	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3636	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3637	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3638	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3639	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3640	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3641	1-216-295-91	SHORT 0	
R3642	1-216-295-91	SHORT 0	
R3643	1-216-295-91	SHORT 0	
R3644	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3645	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3646	1-216-295-91	SHORT 0	
R3647	1-216-295-91	SHORT 0	
R3648	1-216-001-00	RES,CHIP 10 5% 1/10W	
R3649	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3650	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3651	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3652	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3653	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3654	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3655	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3656	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3657	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3658	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3659	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3660	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3661	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3662	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3663	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3664	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3665	1-216-295-91	SHORT 0	
R3666	1-216-295-91	SHORT 0	
R3667	1-216-295-91	SHORT 0	
R3668	1-216-295-91	SHORT 0	
R3670	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3671	1-216-295-91	SHORT 0	
R3672	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3673	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3674	1-216-009-00	RES.CHIP 22 5% 1/10W	
R3675	1-216-009-00	RES.CHIP 22 5% 1/10W	
R3676	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3677	1-216-009-00	RES.CHIP 22 5% 1/10W	
R3678	1-216-009-00	RES.CHIP 22 5% 1/10W	
R3679	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3680	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3681	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3682	1-216-009-00	RES.CHIP 22 5% 1/10W	
R3683	1-216-009-00	RES.CHIP 22 5% 1/10W	
R3684	1-216-009-00	RES.CHIP 22 5% 1/10W	
R3685	1-216-009-00	RES.CHIP 22 5% 1/10W	
R3686	1-216-009-00	RES.CHIP 22 5% 1/10W	
R3687	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3688	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3689	1-216-295-91	SHORT 0	
R3690	1-216-295-91	SHORT 0	
R3691	1-216-295-91	SHORT 0	
R3692	1-216-295-91	SHORT 0	
R3693	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3694	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3695	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3696	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3697	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3698	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3699	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3700	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3701	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3702	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3703	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3704	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3705	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3706	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3707	1-216-295-91	SHORT 0	
R3708	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3709	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3710	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3711	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3712	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3713	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3714	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3715	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3716	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3717	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3718	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3719	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3720	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3721	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3722	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3723	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3725	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3726	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3727	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3728	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R3729	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3730	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3731	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3732	1-216-009-00	RES,CHIP 22 5% 1/10W	
R3742	1-216-295-91	SHORT 0	
R3801	1-216-295-91	SHORT 0	
R3803	1-216-295-91	SHORT 0	
R3806	1-216-295-91	SHORT 0	
R3807	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R3808	1-216-673-11	METAL CHIP 8.2K 0.50% 1/10W	
R3809	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R3811	1-216-620-11	METAL CHIP 51 0.50% 1/10W	
R3812	1-216-295-91	SHORT 0	
R3814	1-216-295-91	SHORT 0	
R3815	1-216-295-91	SHORT 0	
R3817	1-216-295-91	SHORT 0	
R3818	1-216-295-91	SHORT 0	
R3820	1-216-295-91	SHORT 0	

BB

REF NO.	PART NO.	DESCRIPTION				REMARK
R3822	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3823	1-216-295-91	SHORT	0			
R3825	1-216-295-91	SHORT	0			
R3828	1-216-295-91	SHORT	0			
R3829	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R3830	1-216-673-11	METAL CHIP	8.2K	0.50%	1/10W	
R3831	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R3833	1-216-620-11	METAL CHIP	51	0.50%	1/10W	
R3834	1-216-295-91	SHORT	0			
R3836	1-216-295-91	SHORT	0			
R3837	1-216-295-91	SHORT	0			
R3839	1-216-295-91	SHORT	0			
R3840	1-216-295-91	SHORT	0			
R3842	1-216-295-91	SHORT	0			
R3844	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3901	1-216-295-91	SHORT	0			
R3902	1-216-295-91	SHORT	0			
R3903	1-216-295-91	SHORT	0			
R3905	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3906	1-216-009-00	RES,CHIP	22	5%	1/10W	
R3908	1-216-295-91	SHORT	0			
R3910	1-216-295-91	SHORT	0			
R3911	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R3912	1-216-673-11	METAL CHIP	8.2K	0.50%	1/10W	
R3913	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R3915	1-216-620-11	METAL CHIP	51	0.50%	1/10W	
R3916	1-216-295-91	SHORT	0			
R3918	1-216-295-91	SHORT	0			
R3919	1-216-295-91	SHORT	0			
R3921	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R3923	1-216-295-91	SHORT	0			
R3924	1-216-295-91	SHORT	0			
R3927	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R3928	1-216-023-00	RES,CHIP	82	5%	1/10W	
R3929	1-216-630-11	METAL CHIP	130	0.50%	1/10W	
R3930	1-216-023-00	RES,CHIP	82	5%	1/10W	
R3931	1-216-630-11	METAL CHIP	130	0.50%	1/10W	
R3932	1-216-295-91	SHORT	0			
R3933	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R3935	1-216-009-00	RES,CHIP	22	5%	1/10W	
		<NETWORK>				
RB3001	1-236-908-11	RES, CHIP NETWORK 10K (3216)				
RB3002	1-236-908-11	RES, CHIP NETWORK 10K (3216)				
RB3003	1-236-908-11	RES, CHIP NETWORK 10K (3216)				
RB3004	1-236-908-11	RES, CHIP NETWORK 10K (3216)				
RB3005	1-236-908-11	RES, CHIP NETWORK 10K (3216)				
RB3006	1-236-908-11	RES, CHIP NETWORK 10K (3216)				
RB3007	1-236-908-11	RES, CHIP NETWORK 10K (3216)				
RB3008	1-233-576-11	RES, CHIP NETWORK 100				
RB3009	1-233-576-11	RES, CHIP NETWORK 100				
RB3010	1-233-576-11	RES, CHIP NETWORK 100				
RB3011	1-233-576-11	RES, CHIP NETWORK 100				
RB3012	1-233-575-11	RES, CHIP NETWORK 22				
RB3013	1-233-575-11	RES, CHIP NETWORK 22				
RB3014	1-233-575-11	RES, CHIP NETWORK 22				
RB3015	1-233-575-11	RES, CHIP NETWORK 22				
RB3016	1-233-575-11	RES, CHIP NETWORK 22				

REF NO.	PART NO.	DESCRIPTION	REMARK
RB3017	1-233-575-11	RES, CHIP NETWORK 22	
RB3018	1-233-575-11	RES, CHIP NETWORK 22	
RB3019	1-233-575-11	RES, CHIP NETWORK 22	
RB3020	1-233-575-11	RES, CHIP NETWORK 22	
RB3021	1-233-575-11	RES, CHIP NETWORK 22	
RB3022	1-233-575-11	RES, CHIP NETWORK 22	
RB3023	1-233-575-11	RES, CHIP NETWORK 22	
RB3024	1-233-575-11	RES, CHIP NETWORK 22	
RB3025	1-233-575-11	RES, CHIP NETWORK 22	
RB3026	1-233-575-11	RES, CHIP NETWORK 22	
RB3027	1-233-575-11	RES, CHIP NETWORK 22	
RB3028	1-233-575-11	RES, CHIP NETWORK 22	
RB3029	1-233-575-11	RES, CHIP NETWORK 22	
RB3030	1-233-575-11	RES, CHIP NETWORK 22	
RB3031	1-233-575-11	RES, CHIP NETWORK 22	
RB3101	1-233-575-11	RES, CHIP NETWORK 22	
RB3102	1-233-575-11	RES, CHIP NETWORK 22	
RB3103	1-233-575-11	RES, CHIP NETWORK 22	
RB3104	1-233-575-11	RES, CHIP NETWORK 22	
RB3105	1-233-575-11	RES, CHIP NETWORK 22	
RB3106	1-233-575-11	RES, CHIP NETWORK 22	
RB3107	1-233-575-11	RES, CHIP NETWORK 22	
RB3108	1-233-575-11	RES, CHIP NETWORK 22	
RB3109	1-233-575-11	RES, CHIP NETWORK 22	
RB3110	1-233-575-11	RES, CHIP NETWORK 22	
RB3111	1-233-575-11	RES, CHIP NETWORK 22	
RB3112	1-233-575-11	RES, CHIP NETWORK 22	
RB3113	1-233-575-11	RES, CHIP NETWORK 22	
RB3114	1-233-575-11	RES, CHIP NETWORK 22	
RB3115	1-233-575-11	RES, CHIP NETWORK 22	
RB3116	1-233-575-11	RES, CHIP NETWORK 22	
RB3201	1-233-575-11	RES, CHIP NETWORK 22	
RB3202	1-233-575-11	RES, CHIP NETWORK 22	
RB3203	1-233-575-11	RES, CHIP NETWORK 22	
RB3205	1-233-575-11	RES, CHIP NETWORK 22	
RB3206	1-233-575-11	RES, CHIP NETWORK 22	
RB3301	1-233-575-11	RES, CHIP NETWORK 22	
RB3302	1-233-575-11	RES, CHIP NETWORK 22	
RB3303	1-233-575-11	RES, CHIP NETWORK 22	
RB3304	1-233-575-11	RES, CHIP NETWORK 22	
RB3401	1-233-575-11	RES, CHIP NETWORK 22	
RB3402	1-233-575-11	RES, CHIP NETWORK 22	
RB3403	1-233-575-11	RES, CHIP NETWORK 22	
RB3404	1-233-575-11	RES, CHIP NETWORK 22	
RB3501	1-233-575-11	RES, CHIP NETWORK 22	
RB3502	1-233-575-11	RES, CHIP NETWORK 22	
RB3503	1-233-575-11	RES, CHIP NETWORK 22	
RB3504	1-233-575-11	RES, CHIP NETWORK 22	
RB3801	1-233-575-11	RES, CHIP NETWORK 22	
RB3802	1-233-575-11	RES, CHIP NETWORK 22	
RB3803	1-236-976-91	NETWORK, RES 22	
RB3804	1-233-575-11	RES, CHIP NETWORK 22	
RB3805	1-233-575-11	RES, CHIP NETWORK 22	
RB3806	1-233-575-11	RES, CHIP NETWORK 22	
RB3807	1-233-575-11	RES, CHIP NETWORK 22	
RB3808	1-236-976-91	NETWORK, RES 22	
RB3810	1-233-575-11	RES, CHIP NETWORK 22	
RB3811	1-233-575-11	RES, CHIP NETWORK 22	
RB3812	1-233-575-11	RES, CHIP NETWORK 22	

REF NO.	PART NO.	DESCRIPTION				REMARK
RB3813	1-233-575-11	RES, CHIP NETWORK 22				
RB3814	1-236-976-91	NETWORK, RES 22				
RB3815	1-233-575-11	RES, CHIP NETWORK 22				
RB3816	1-233-575-11	RES, CHIP NETWORK 22				
RB3817	1-233-575-11	RES, CHIP NETWORK 22				
RB3818	1-233-575-11	RES, CHIP NETWORK 22				
RB3819	1-236-976-91	NETWORK, RES 22				
RB3821	1-233-575-11	RES, CHIP NETWORK 22				
RB3822	1-233-575-11	RES, CHIP NETWORK 22				
RB3901	1-236-971-11	NETWORK, RES 0				
RB3902	1-236-971-11	NETWORK, RES 0				
RB3903	1-236-971-11	NETWORK, RES 0				
RB3904	1-236-971-11	NETWORK, RES 0				
RB3905	1-236-971-11	NETWORK, RES 0				
RB3906	1-233-575-11	RES, CHIP NETWORK 22				
RB3907	1-233-575-11	RES, CHIP NETWORK 22				
RB3908	1-236-976-91	NETWORK, RES 22				
RB3909	1-233-575-11	RES, CHIP NETWORK 22				
RB3910	1-233-575-11	RES, CHIP NETWORK 22				
RB3911	1-233-575-11	RES, CHIP NETWORK 22				
RB3912	1-233-575-11	RES, CHIP NETWORK 22				
RB3913	1-236-976-91	NETWORK, RES 22				
RB3915	1-233-575-11	RES, CHIP NETWORK 22				
RB3916	1-233-575-11	RES, CHIP NETWORK 22				
RB3917	1-236-976-91	NETWORK, RES 22				
RB3918	1-233-575-11	RES, CHIP NETWORK 22				
RB3919	1-233-575-11	RES, CHIP NETWORK 22				
RB3920	1-233-575-11	RES, CHIP NETWORK 22				
RB3921	1-233-575-11	RES, CHIP NETWORK 22				
RB3922	1-233-575-11	RES, CHIP NETWORK 22				
RB3923	1-233-575-11	RES, CHIP NETWORK 22				
RB3924	1-236-908-11	RES, CHIP NETWORK 10K (3216)				
RB3925	1-236-908-11	RES, CHIP NETWORK 10K (3216)				
RB3926	1-233-575-11	RES, CHIP NETWORK 22				
		<CRYSTAL>				
X3601	1-781-232-21	OSCILLATOR, CRYSTAL(60MHZ)				
X3602	1-781-233-21	OSCILLATOR, CRYSTAL(68MHZ)				

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* A-1135-954-A BC COMPL

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	3-179-084-01	LEVER (R), PC BOARD				
	3-179-085-01	LEVER (L), PC BOARD				
	4-382-854-01	SCREW (M3X8), P, SW (+)				
		<CAPACITOR>				
C4004	1-126-933-11	ELECT	100MF	20%	16V	
C4006	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4007	1-126-961-11	ELECT	2.2MF	20%	50V	
C4008	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4009	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4010	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4011	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C4012	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
C4013	1-126-965-11	ELECT	22MF	20%	50V	
C4014	1-104-665-11	ELECT	100MF	20%	25V	
C4017	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	

REF NO.	PART NO.	DESCRIPTION				REMARK
C4018	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4019	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4020	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4021	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4022	1-126-961-11	ELECT	2.2MF	20%	50V	
C4024	1-126-933-11	ELECT	100MF	20%	16V	
C4025	1-126-961-11	ELECT	2.2MF	20%	50V	
C4027	1-126-961-11	ELECT	2.2MF	20%	50V	
C4029	1-126-961-11	ELECT	2.2MF	20%	50V	
C4030	1-126-961-11	ELECT	2.2MF	20%	50V	
C4031	1-126-933-11	ELECT	100MF	20%	16V	
C4032	1-126-965-11	ELECT	22MF	20%	50V	
C4033	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4034	1-126-965-11	ELECT	22MF	20%	50V	
C4035	1-126-933-11	ELECT	100MF	20%	16V	
C4037	1-104-665-11	ELECT	100MF	20%	25V	
C4038	1-104-665-11	ELECT	100MF	20%	25V	
C4040	1-104-665-11	ELECT	100MF	20%	25V	
C4041	1-126-961-11	ELECT	2.2MF	20%	50V	
C4042	1-126-963-11	ELECT	4.7MF	20%	50V	
C4046	1-104-665-11	ELECT	100MF	20%	25V	
C4047	1-126-963-11	ELECT	4.7MF	20%	50V	
C4048	1-126-961-11	ELECT	2.2MF	20%	50V	
C4049	1-126-967-11	ELECT	47MF	20%	50V	
C4050	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4051	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4052	1-126-971-11	ELECT	470MF	20%	50V	
C4053	1-126-971-11	ELECT	470MF	20%	50V	
C4054	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4056	1-128-550-21	ELECT	2200MF	20%	50V	
C4057	1-126-960-11	ELECT	1MF	20%	50V	
C4058	1-126-960-11	ELECT	1MF	20%	50V	
C4301	1-104-665-11	ELECT	100MF	20%	25V	
C4302	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4303	1-104-665-11	ELECT	100MF	20%	25V	
C4304	1-126-933-11	ELECT	100MF	20%	16V	
C4305	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4306	1-126-933-11	ELECT	100MF	20%	16V	
C4307	1-126-933-11	ELECT	100MF	20%	16V	
C4308	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4309	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4310	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4311	1-126-961-11	ELECT	2.2MF	20%	50V	
C4312	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4313	1-126-961-11	ELECT	2.2MF	20%	50V	
C4314	1-126-961-11	ELECT	2.2MF	20%	50V	
C4315	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C4316	1-104-664-11	ELECT	47MF	20%	16V	
C4317	1-104-664-11	ELECT	47MF	20%	16V	
C4318	1-104-664-11	ELECT	47MF	20%	16V	
C4319	1-126-964-11	ELECT	10MF	20%	50V	
C4320	1-126-964-11	ELECT	10MF	20%	50V	
C4321	1-126-964-11	ELECT	10MF	20%	50V	
C4510	1-104-665-11	ELECT	100MF	20%	25V	
C4511	1-104-665-11	ELECT	100MF	20%	25V	
		<CONNECTOR>				
CN4001	1-778-393-11	PIN, PC CONNECTOR 96P				

BC

REF NO.	PART NO.	DESCRIPTION		REMARK
CN4002	1-770-837-11	CONNECTOR, BOARD TO BOARD 30P		
CN4003	* 1-564-507-11	PLUG, CONNECTOR 4P		
		<DIODE>		
D4001	8-719-914-43	DIODE DAN202K		
D4002	8-719-914-43	DIODE DAN202K		
D4007	8-719-914-43	DIODE DAN202K		
D4010	8-719-914-43	DIODE DAN202K		
D4011	8-719-158-37	DIODE RD9.1SB2		
D4012	8-719-158-37	DIODE RD9.1SB2		
D4014	8-719-158-17	DIODE RD5.6SB2		
D4015	8-719-158-17	DIODE RD5.6SB2		
D4301	8-719-914-43	DIODE DAN202K		
D4302	8-719-158-17	DIODE RD5.6SB2		
D4303	8-719-158-17	DIODE RD5.6SB2		
D4304	8-719-158-17	DIODE RD5.6SB2		
D4305	8-719-158-17	DIODE RD5.6SB2		
D4306	8-719-158-17	DIODE RD5.6SB2		
D4307	8-719-158-17	DIODE RD5.6SB2		
D4308	8-719-988-62	DIODE 1SS355		
D4309	8-719-988-62	DIODE 1SS355		
D4310	8-719-988-62	DIODE 1SS355		
		<FILTER>		
FL4301	1-236-071-11	ENCAPSULATED COMPONENT		
FL4302	1-236-071-11	ENCAPSULATED COMPONENT		
		<IC>		
IC4002	8-759-273-12	IC TDA7315D013TR		
IC4003	8-759-701-59	IC NJM78M09FA		
IC4004	8-759-135-80	IC μPC358C		
IC4006	8-759-980-43	IC TDA2009A		
IC4301	8-759-286-17	IC PC74HC32D-T		
IC4302	8-759-286-17	IC PC74HC32D-T		
IC4303	8-759-286-17	IC PC74HC32D-T		
IC4304	8-759-285-69	IC PC74HC14D-T		
IC4305	8-759-285-55	IC PC74HC08D-T		
IC4306	8-759-633-10	IC M54544AL		
IC4307	8-759-633-10	IC M54544AL		
IC4308	8-759-633-10	IC M54544AL		
IC4309	8-759-394-35	IC BA12T		
		<COIL>		
L4001	1-412-363-21	FERRITE	0μH	
L4002	1-412-363-21	FERRITE	0μH	
L4301	1-412-533-21	INDUCTOR	47μH	
L4502	1-412-533-21	INDUCTOR	47μH	
		<TRANSISTOR>		
Q4001	1-801-806-11	TRANSISTOR DTC144EKA-T146		
Q4002	8-729-027-38	TRANSISTOR DTA144EKA-T146		
Q4003	8-729-216-22	TRANSISTOR 2SA1162-G		
Q4005	8-729-216-22	TRANSISTOR 2SA1162-G		
Q4006	8-729-202-38	TRANSISTOR 2SC3326N-A		
Q4007	8-729-230-49	TRANSISTOR 2SC2712-YG		
Q4008	8-729-202-38	TRANSISTOR 2SC3326N-A		
Q4009	8-729-216-22	TRANSISTOR 2SA1162-G		
Q4010	8-729-202-38	TRANSISTOR 2SC3326N-A		

REF NO.	PART NO.	DESCRIPTION				REMARK
Q4011	8-729-202-38	TRANSISTOR 2SC3326N-A				
		<RESISTOR>				
R4001	1-216-025-91	RES,CHIP	100	5%	1/10W	
R4002	1-216-025-91	RES,CHIP	100	5%	1/10W	
R4003	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R4004	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R4005	1-216-067-00	RES,CHIP	5.6K	5%	1/10W	
R4006	1-216-067-00	RES,CHIP	5.6K	5%	1/10W	
R4007	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R4008	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R4009	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R4010	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R4011	1-216-295-91	SHORT	0			
R4012	1-216-295-91	SHORT	0			
R4015	1-216-025-91	RES,CHIP	100	5%	1/10W	
R4016	1-216-025-91	RES,CHIP	100	5%	1/10W	
R4018	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	
R4021	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R4022	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	
R4023	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	
R4024	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	
R4025	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R4027	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R4028	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R4029	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R4030	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R4033	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R4034	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R4035	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R4036	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R4038	1-216-051-00	RES,CHIP	1.2K	5%	1/10W	
R4039	1-216-051-00	RES,CHIP	1.2K	5%	1/10W	
R4040	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R4043	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R4044	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R4047	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R4050	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	
R4051	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R4052	1-216-075-00	RES,CHIP	12K	5%	1/10W	
R4053	1-216-075-00	RES,CHIP	12K	5%	1/10W	
R4054	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R4055	1-216-041-00	RES,CHIP	470	5%	1/10W	
R4056	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R4057	1-216-015-00	RES,CHIP	39	5%	1/10W	
R4058	1-216-015-00	RES,CHIP	39	5%	1/10W	
R4059	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R4060	1-249-385-11	CARBON	2.2	5%	1/4W	F
R4061	1-249-385-11	CARBON	2.2	5%	1/4W	F
R4062	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R4063	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R4064	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R4065	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R4066	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R4067	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R4301	1-216-025-91	RES,CHIP	100	5%	1/10W	
R4302	1-216-025-91	RES,CHIP	100	5%	1/10W	
R4303	1-216-025-91	RES,CHIP	100	5%	1/10W	
R4304	1-216-025-91	RES,CHIP	100	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R4305	1-216-025-91	RES,CHIP	100	5%	1/10W	
R4306	1-216-025-91	RES,CHIP	100	5%	1/10W	
R4307	1-216-025-91	RES,CHIP	100	5%	1/10W	
R4308	1-216-025-91	RES,CHIP	100	5%	1/10W	
R4315	1-216-295-91	SHORT	0			
R4316	1-216-295-91	SHORT	0			
R4317	1-216-295-91	SHORT	0			
R4318	1-216-295-91	SHORT	0			
R4319	1-216-295-91	SHORT	0			
R4320	1-216-295-91	SHORT	0			
R4321	1-216-117-00	RES,CHIP	680K	5%	1/10W	
R4322	1-216-117-00	RES,CHIP	680K	5%	1/10W	
R4323	1-216-117-00	RES,CHIP	680K	5%	1/10W	
R4324	1-216-117-00	RES,CHIP	680K	5%	1/10W	
R4325	1-216-117-00	RES,CHIP	680K	5%	1/10W	
R4326	1-216-117-00	RES,CHIP	680K	5%	1/10W	
R4333	1-216-295-91	SHORT	0			
R4334	1-216-295-91	SHORT	0			
R4335	1-216-295-91	SHORT	0			
R4336	1-216-083-00	RES,CHIP	27K	5%	1/10W	
R4337	1-216-083-00	RES,CHIP	27K	5%	1/10W	
R4338	1-216-083-00	RES,CHIP	27K	5%	1/10W	
R4345	1-216-353-00	METAL OXIDE	2.2	5%	1W	F
R4346	1-216-353-00	METAL OXIDE	2.2	5%	1W	F
R4347	1-216-353-00	METAL OXIDE	2.2	5%	1W	F
		<TEST PIN>				
TP4001	* 1-535-881-21	TERMINAL, TP (AUTO INSERTION)				
TP4002	* 1-535-881-21	TERMINAL, TP (AUTO INSERTION)				
TP4003	* 1-535-881-21	TERMINAL, TP (AUTO INSERTION)				
TP4004	* 1-535-881-21	TERMINAL, TP (AUTO INSERTION)				
TP4005	* 1-535-881-21	TERMINAL, TP (AUTO INSERTION)				

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*A-1131-349-A BM MOUNT
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REF NO.	PART NO.	DESCRIPTION				REMARK
		<CAPACITOR>				
C302	1-126-941-11	ELECT	470MF	20%	25V	
C304	1-126-941-11	ELECT	470MF	20%	25V	
C306	1-126-941-11	ELECT	470MF	20%	25V	
C307	1-126-941-11	ELECT	470MF	20%	25V	
		<CONNECTOR>				
CN304	1-778-391-11	SOCKET, PC CONNECTOR 96P				
CN305	1-778-393-11	PIN, PC CONNECTOR 96P				
CN307	* 1-564-515-11	PLUG, CONNECTOR 12P				
CN308	* 1-564-506-11	PLUG, CONNECTOR 3P				
CN310	* 1-564-505-11	PLUG, CONNECTOR 2P				
CN311	* 1-564-506-11	PLUG, CONNECTOR 3P				
CN312	* 1-564-509-11	PLUG, CONNECTOR 6P				
CN313	* 1-564-511-11	PLUG, CONNECTOR 8P				
CN314	* 1-564-595-11	PLUG, CONNECTOR 14P				
CN315	* 1-564-509-11	PLUG, CONNECTOR 6P				
CN316	* 1-564-511-11	PLUG, CONNECTOR 8P				
CN317	* 1-564-513-11	PLUG, CONNECTOR 10P				
		<COIL>				
L301	1-412-533-21	INDUCTOR	47μH			
L302	1-412-533-21	INDUCTOR	47μH			
L303	1-412-533-21	INDUCTOR	47μH			

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* A-1335-104-A C COMPL
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REF NO.	PART NO.	DESCRIPTION				REMARK
	1-923-514-40	WIRE UL1061 AWG28 140MM BLU				
		<CAPACITOR>				
C5001	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5002	1-117-681-11	ELECT CHIP	100MF	20%	16V	
C5003	1-128-401-11	ELECT CHIP	100MF	20%	25V	
C5004	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5005	1-128-401-11	ELECT CHIP	100MF	20%	25V	
C5006	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5009	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C5010	1-128-401-11	ELECT CHIP	100MF	20%	25V	
C5011	1-164-005-11	CERAMIC CHIP	0.47MF	25V		
C5012	1-128-400-11	ELECT CHIP	47MF	20%	25V	
C5013	1-164-005-11	CERAMIC CHIP	0.47MF	25V		
C5014	1-128-400-11	ELECT CHIP	47MF	20%	25V	
C5015	1-128-401-11	ELECT CHIP	100MF	20%	25V	
C5016	1-164-005-11	CERAMIC CHIP	0.47MF	25V		
C5017	1-128-400-11	ELECT CHIP	47MF	20%	25V	
C5018	1-164-005-11	CERAMIC CHIP	0.47MF	25V		
C5019	1-128-400-11	ELECT CHIP	47MF	20%	25V	
C5020	1-128-401-11	ELECT CHIP	100MF	20%	25V	
C5021	1-128-401-11	ELECT CHIP	100MF	20%	25V	
C5022	1-128-401-11	ELECT CHIP	100MF	20%	25V	
C5023	1-164-005-11	CERAMIC CHIP	0.47MF	25V		
C5024	1-128-400-11	ELECT CHIP	47MF	20%	25V	
C5026	1-164-005-11	CERAMIC CHIP	0.47MF	25V		
C5027	1-128-401-11	ELECT CHIP	100MF	20%	25V	
C5028	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5034	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5035	1-127-532-11	ELECT	47MF	20%	20V	
C5036	1-128-401-11	ELECT CHIP	100MF	20%	25V	
C5037	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5038	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C5039	1-164-005-11	CERAMIC CHIP	0.47MF	25V		
C5040	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C5041	1-164-005-11	CERAMIC CHIP	0.47MF	25V		
C5202	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5204	1-109-994-11	CERAMIC CHIP	2.2MF	10%	10V	
C5205	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5206	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5208	1-109-994-11	CERAMIC CHIP	2.2MF	10%	10V	
C5211	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5212	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5214	1-109-994-11	CERAMIC CHIP	2.2MF	10%	10V	
C5215	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5216	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5218	1-164-346-11	CERAMIC CHIP	1MF	16V		
C5220	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5221	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5222	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5223	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	

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REF NO.	PART NO.	DESCRIPTION				REMARK
C5224	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5225	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C5226	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C5227	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C5228	1-128-397-21	ELECT CHIP	100MF	20%	16V	
C5229	1-128-397-21	ELECT CHIP	100MF	20%	16V	
C5230	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5231	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5232	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5233	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C5234	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5301	1-109-994-11	CERAMIC CHIP	2.2MF	10%	10V	
C5302	1-109-994-11	CERAMIC CHIP	2.2MF	10%	10V	
C5303	1-109-994-11	CERAMIC CHIP	2.2MF	10%	10V	
C5405	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C5406	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C5407	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C5408	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C5421	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5425	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5426	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5427	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5428	1-128-400-11	ELECT CHIP	47MF	20%	25V	
C5501	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C5502	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5504	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5505	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5506	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5507	1-128-400-11	ELECT CHIP	47MF	20%	25V	
C5510	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5511	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5512	1-117-681-11	ELECT CHIP	100MF	20%	16V	
C5513	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5518	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C5519	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5521	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5522	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5523	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5524	1-128-400-11	ELECT CHIP	47MF	20%	25V	
C5527	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5528	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5529	1-117-681-11	ELECT CHIP	100MF	20%	16V	
C5530	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5532	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C5533	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5535	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5536	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5537	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5538	1-128-400-11	ELECT CHIP	47MF	20%	25V	
C5541	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5542	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5543	1-117-681-11	ELECT CHIP	100MF	20%	16V	
C5544	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5546	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5547	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5548	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5549	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5550	1-128-004-11	ELECT CHIP	10MF	20%	16V	

REF NO.	PART NO.	DESCRIPTION				REMARK
C5551	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5554	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C5555	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5558	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C5559	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C5562	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V	
C5563	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V	
C5564	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V	
		<CONNECTOR>				
CN5001	1-778-232-11	CONNECTOR, BOARD TO BOARD 30P				
CN5002	1-778-232-11	CONNECTOR, BOARD TO BOARD 30P				
CN5003	* 1-564-509-11	PLUG, CONNECTOR 6P				
CN5004	* 1-564-505-11	PLUG, CONNECTOR 2P				
CN5005	* 1-564-506-11	PLUG, CONNECTOR 3P				
CN5006	* 1-564-506-11	PLUG, CONNECTOR 3P				
CN5007	* 1-564-506-11	PLUG, CONNECTOR 3P				
CN5048	* 1-564-505-11	PLUG, CONNECTOR 2P				
CN5049	* 1-564-505-11	PLUG, CONNECTOR 2P				
CN5201	* 1-691-551-11	PIN, CONNECTOR (SMD) 8P				
CN5303	* 1-784-277-21	CONNECTOR, FFC/FPC 32P				
CN5404	* 1-784-277-21	CONNECTOR, FFC/FPC 32P				
CN5501	* 1-784-277-21	CONNECTOR, FFC/FPC 32P				
		<DIODE>				
D5001	8-719-158-17	DIODE RD5.6SB2				
D5002	8-719-914-43	DIODE DAN202K				
D5003	8-719-914-43	DIODE DAN202K				
D5004	8-719-914-43	DIODE DAN202K				
		<FERRITE BEAD>				
FB5402	1-414-760-21	INDUCTOR CHIP	0μH			
FB5501	1-414-227-11	INDUCTOR CHIP	0μH			
FB5514	1-414-760-21	INDUCTOR CHIP	0μH			
FB5515	1-414-760-21	INDUCTOR CHIP	0μH			
FB5516	1-414-760-21	INDUCTOR CHIP	0μH			
FB5517	1-414-760-21	INDUCTOR CHIP	0μH			
FB5518	1-414-760-21	INDUCTOR CHIP	0μH			
FB5519	1-414-760-21	INDUCTOR CHIP	0μH			
FB5520	1-414-760-21	INDUCTOR CHIP	0μH			
FB5521	1-414-760-21	INDUCTOR CHIP	0μH			
FB5522	1-543-954-22	FERRITE	0μH			
FB5523	1-414-227-11	INDUCTOR CHIP	0μH			
FB5524	1-543-954-22	FERRITE	0μH			
FB5537	1-414-760-21	INDUCTOR CHIP	0μH			
FB5538	1-414-760-21	INDUCTOR CHIP	0μH			
FB5539	1-414-760-21	INDUCTOR CHIP	0μH			
FB5540	1-414-760-21	INDUCTOR CHIP	0μH			
FB5541	1-414-760-21	INDUCTOR CHIP	0μH			
FB5542	1-414-760-21	INDUCTOR CHIP	0μH			
FB5543	1-414-760-21	INDUCTOR CHIP	0μH			
FB5544	1-414-760-21	INDUCTOR CHIP	0μH			
FB5545	1-414-227-11	INDUCTOR CHIP	0μH			
FB5558	1-414-760-21	INDUCTOR CHIP	0μH			
FB5559	1-414-760-21	INDUCTOR CHIP	0μH			
FB5560	1-414-760-21	INDUCTOR CHIP	0μH			
FB5561	1-414-760-21	INDUCTOR CHIP	0μH			
FB5562	1-414-760-21	INDUCTOR CHIP	0μH			
FB5563	1-414-760-21	INDUCTOR CHIP	0μH			

REF NO.	PART NO.	DESCRIPTION		REMARK
FB5564	1-414-760-21	INDUCTOR CHIP	0µH	
FB5565	1-543-954-22	FERRITE	0µH	
FB5566	1-414-760-21	INDUCTOR CHIP	0µH	
		<FILTER>		
FL5001	1-239-466-21	FILTER, EMI		
FL5002	1-239-466-21	FILTER, EMI		
FL5003	1-239-466-21	FILTER, EMI		
FL5004	1-239-466-21	FILTER, EMI		
FL5005	1-239-466-21	FILTER, EMI		
		<IC>		
IC5002	8-759-437-13	IC MC10H350P		
IC5003	8-759-388-31	IC PQ20VZ1U		
IC5004	8-759-259-77	IC PQ20VZ5U		
IC5005	8-759-388-31	IC PQ20VZ1U		
IC5006	8-759-388-31	IC PQ20VZ1U		
IC5007	8-759-157-17	IC PQ05SZ1U		
IC5008	8-759-084-79	IC TC7S14F		
IC5009	8-759-096-87	IC TC7WU04FU(TE12R)		
IC5010	8-759-388-31	IC PQ20VZ1U		
IC5201	8-759-544-56	IC OPA2658U/2K5		
IC5202	8-759-381-53	IC µPC814G2-E2		
IC5203	8-759-544-56	IC OPA2658U/2K5		
IC5204	8-759-381-53	IC µPC814G2-E2		
IC5205	8-759-544-56	IC OPA2658U/2K5		
IC5206	8-759-381-53	IC µPC814G2-E2		
IC5208	8-759-544-55	IC MAX4066CEE-TE2		
IC5209	8-759-186-27	IC TC74VHCT04F		
IC5210	8-759-530-57	IC TLV431ACDBV2		
IC5214	8-759-571-81	IC ISPLSI1016E-80LT44-C01V1		
IC5215	8-759-186-60	IC TC74VHC240F		
IC5216	8-759-186-60	IC TC74VHC240F		
IC5301	8-752-080-99	IC CXA2112R		
IC5302	8-752-080-99	IC CXA2112R		
IC5304	8-752-080-99	IC CXA2112R		
IC5305	8-752-080-99	IC CXA2112R		
IC5401	8-759-470-51	IC MB88141APFV-ER		
IC5402	8-759-482-47	IC M62399FP-TE2		
IC5403	8-759-544-55	IC MAX4066CEE-TE2		
IC5404	8-759-081-48	IC TC74VHC08F		
IC5501	8-752-080-99	IC CXA2112R		
IC5502	8-752-080-99	IC CXA2112R		
		<COIL>		
L5001	1-410-377-31	INDUCTOR CHIP	4.7µH	
		<TRANSISTOR>		
Q5001	8-729-216-22	TRANSISTOR 2SA1162-G		
Q5003	8-729-900-53	TRANSISTOR DTC114EK		
Q5401	8-729-013-28	TRANSISTOR HN1B01FU-TE85R		
Q5402	8-729-013-28	TRANSISTOR HN1B01FU-TE85R		
Q5501	8-729-013-28	TRANSISTOR HN1B01FU-TE85R		
Q5502	8-729-013-28	TRANSISTOR HN1B01FU-TE85R		
Q5503	8-729-013-28	TRANSISTOR HN1B01FU-TE85R		
Q5504	8-729-231-80	TRANSISTOR 2SC2859-Y		
Q5505	8-729-038-80	TRANSISTOR 2SA1182-Y(TE85R)		
Q5506	8-729-231-80	TRANSISTOR 2SC2859-Y		

REF NO.	PART NO.	DESCRIPTION				REMARK
Q5507	8-729-038-80	TRANSISTOR 2SA1182-Y(TE85R)				
Q5508	8-729-231-80	TRANSISTOR 2SC2859-Y				
Q5509	8-729-038-80	TRANSISTOR 2SA1182-Y(TE85R)				
		<RESISTOR>				
R5001	1-216-295-91	SHORT	0			
R5002	1-216-295-91	SHORT	0			
R5005	1-216-295-91	SHORT	0			
R5007	1-216-295-91	SHORT	0			
R5008	1-216-295-91	SHORT	0			
R5009	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R5010	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R5011	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R5012	1-216-296-91	SHORT	0			
R5013	1-216-041-00	RES,CHIP	470	5%	1/10W	
R5014	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5015	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5016	1-216-295-91	SHORT	0			
R5017	1-216-295-91	SHORT	0			
R5018	1-216-295-91	SHORT	0			
R5021	1-216-296-91	SHORT	0			
R5022	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5023	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5024	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R5025	1-216-684-91	METAL CHIP	24K	0.50%	1/10W	
R5026	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5027	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	
R5028	1-216-679-11	METAL CHIP	15K	0.50%	1/10W	
R5029	1-216-296-91	SHORT	0			
R5030	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R5031	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R5032	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R5033	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R5034	1-216-295-91	SHORT	0			
R5035	1-216-296-91	SHORT	0			
R5036	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5037	1-216-693-11	METAL CHIP	56K	0.50%	1/10W	
R5038	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R5039	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5040	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R5041	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R5042	1-216-296-91	SHORT	0			
R5043	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R5044	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R5045	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R5046	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R5047	1-216-296-91	SHORT	0			
R5048	1-216-296-91	SHORT	0			
R5049	1-216-296-91	SHORT	0			
R5050	1-216-296-91	SHORT	0			
R5051	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5052	1-216-025-91	RES.CHIP	100	5%	1/10W	
R5053	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5054	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5055	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5056	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5065	1-216-296-91	SHORT	0			
R5069	1-216-073-00	RES.CHIP	10K	5%	1/10W	
R5071	1-216-073-00	RES,CHIP	10K	5%	1/10W	

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REF NO.	PART NO.	DESCRIPTION				REMARK
R5073	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5075	1-216-625-11	METAL CHIP	82	0.50%	1/10W	
R5076	1-216-625-11	METAL CHIP	82	0.50%	1/10W	
R5077	1-216-630-11	METAL CHIP	130	0.50%	1/10W	
R5078	1-216-630-11	METAL CHIP	130	0.50%	1/10W	
R5079	1-216-630-11	METAL CHIP	130	0.50%	1/10W	
R5080	1-216-630-11	METAL CHIP	130	0.50%	1/10W	
R5081	1-216-630-11	METAL CHIP	130	0.50%	1/10W	
R5082	1-216-630-11	METAL CHIP	130	0.50%	1/10W	
R5083	1-216-625-11	METAL CHIP	82	0.50%	1/10W	
R5084	1-216-625-11	METAL CHIP	82	0.50%	1/10W	
R5085	1-216-625-11	METAL CHIP	82	0.50%	1/10W	
R5086	1-216-625-11	METAL CHIP	82	0.50%	1/10W	
R5087	1-216-295-91	SHORT	0			
R5088	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5089	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5090	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5091	1-216-041-00	RES,CHIP	470	5%	1/10W	
R5092	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5093	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R5094	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R5095	1-216-688-11	METAL CHIP	36K	0.50%	1/10W	
R5096	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R5097	1-216-295-91	SHORT	0			
R5098	1-216-295-91	SHORT	0			
R5099	1-216-295-91	SHORT	0			
R5204	1-216-643-11	METAL CHIP	470	0.50%	1/10W	
R5205	1-216-643-11	METAL CHIP	470	0.50%	1/10W	
R5206	1-216-643-11	METAL CHIP	470	0.50%	1/10W	
R5210	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R5211	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R5212	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R5214	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R5215	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R5216	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R5217	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R5218	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R5219	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R5220	1-216-295-91	SHORT	0			
R5221	1-216-295-91	SHORT	0			
R5222	1-216-295-91	SHORT	0			
R5223	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R5224	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R5226	1-216-295-91	SHORT	0			
R5227	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5228	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5229	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5230	1-216-017-91	RES,CHIP	47	5%	1/10W	
R5231	1-216-017-91	RES,CHIP	47	5%	1/10W	
R5232	1-216-017-91	RES,CHIP	47	5%	1/10W	
R5233	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5235	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5236	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5237	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5238	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5239	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5240	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5241	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5242	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5243	1-216-017-91	RES,CHIP	47	5%	1/10W	
R5244	1-216-017-91	RES,CHIP	47	5%	1/10W	
R5245	1-216-017-91	RES,CHIP	47	5%	1/10W	
R5246	1-216-017-91	RES,CHIP	47	5%	1/10W	
R5247	1-216-017-91	RES,CHIP	47	5%	1/10W	
R5248	1-216-017-91	RES,CHIP	47	5%	1/10W	
R5249	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5250	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5252	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5253	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5254	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5255	1-216-017-91	RES,CHIP	47	5%	1/10W	
R5256	1-216-295-91	SHORT	0			
R5257	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5258	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5259	1-216-017-91	RES,CHIP	47	5%	1/10W	
R5260	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5261	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5262	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5263	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5264	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5265	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5266	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5267	1-216-017-91	RES,CHIP	47	5%	1/10W	
R5268	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5269	1-216-017-91	RES,CHIP	47	5%	1/10W	
R5270	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5271	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5272	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5273	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5274	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5275	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5276	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5277	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5278	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5279	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R5280	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5281	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W	
R5282	1-216-688-11	METAL CHIP	36K	0.50%	1/10W	
R5283	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R5286	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R5287	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R5288	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R5289	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R5290	1-216-627-11	METAL CHIP	100	0.50%	1/10W	
R5291	1-216-627-11	METAL CHIP	100	0.50%	1/10W	
R5292	1-216-627-11	METAL CHIP	100	0.50%	1/10W	
R5293	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R5294	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R5295	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R5296	1-216-617-11	METAL CHIP	39	0.50%	1/10W	
R5297	1-216-617-11	METAL CHIP	39	0.50%	1/10W	
R5298	1-216-617-11	METAL CHIP	39	0.50%	1/10W	
R5301	1-216-679-11	METAL CHIP	15K	0.50%	1/10W	
R5302	1-218-776-11	METAL CHIP	1M	0.50%	1/10W	
R5303	1-216-679-11	METAL CHIP	15K	0.50%	1/10W	
R5304	1-216-679-11	METAL CHIP	15K	0.50%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R5305	1-218-776-11	METAL CHIP	1M	0.50%	1/10W	
R5306	1-216-679-11	METAL CHIP	15K	0.50%	1/10W	
R5307	1-216-679-11	METAL CHIP	15K	0.50%	1/10W	
R5308	1-218-776-11	METAL CHIP	1M	0.50%	1/10W	
R5309	1-216-679-11	METAL CHIP	15K	0.50%	1/10W	
R5310	1-216-689-11	METAL CHIP	39K	0.50%	1/10W	
R5409	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R5410	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R5411	1-216-295-91	SHORT	0			
R5414	1-216-295-91	SHORT	0			
R5415	1-216-295-91	SHORT	0			
R5417	1-216-295-91	SHORT	0			
R5420	1-216-295-91	SHORT	0			
R5422	1-216-295-91	SHORT	0			
R5424	1-216-295-91	SHORT	0			
R5425	1-216-295-91	SHORT	0			
R5426	1-216-295-91	SHORT	0			
R5427	1-216-295-91	SHORT	0			
R5428	1-216-295-91	SHORT	0			
R5429	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R5430	1-216-295-91	SHORT	0			
R5431	1-216-295-91	SHORT	0			
R5432	1-216-295-91	SHORT	0			
R5433	1-216-295-91	SHORT	0			
R5434	1-216-295-91	SHORT	0			
R5435	1-216-295-91	SHORT	0			
R5436	1-216-295-91	SHORT	0			
R5437	1-216-295-91	SHORT	0			
R5438	1-216-295-91	SHORT	0			
R5442	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5443	1-216-295-91	SHORT	0			
R5444	1-216-295-91	SHORT	0			
R5445	1-216-295-91	SHORT	0			
R5474	1-216-075-00	RES,CHIP	12K	5%	1/10W	
R5478	1-216-190-00	RES,CHIP	470	5%	1/8W	
R5479	1-216-190-00	RES,CHIP	470	5%	1/8W	
R5480	1-216-190-00	RES,CHIP	470	5%	1/8W	
R5481	1-216-190-00	RES,CHIP	470	5%	1/8W	
R5482	1-216-298-00	RES,CHIP	2.2	5%	1/10W	
R5483	1-216-298-00	RES,CHIP	2.2	5%	1/10W	
R5484	1-216-298-00	RES,CHIP	2.2	5%	1/10W	
R5485	1-216-298-00	RES,CHIP	2.2	5%	1/10W	
R5486	1-216-295-91	SHORT	0			
R5487	1-216-295-91	SHORT	0			
R5488	1-216-298-00	RES,CHIP	2.2	5%	1/10W	
R5489	1-216-295-91	SHORT	0			
R5501	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R5502	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5503	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R5504	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	
R5505	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	
R5506	1-216-009-00	RES.CHIP	22	5%	1/10W	
R5507	1-216-009-00	RES.CHIP	22	5%	1/10W	
R5508	1-216-009-00	RES.CHIP	22	5%	1/10W	
R5509	1-216-009-00	RES.CHIP	22	5%	1/10W	
R5510	1-216-009-00	RES.CHIP	22	5%	1/10W	
R5511	1-216-009-00	RES.CHIP	22	5%	1/10W	
R5512	1-216-009-00	RES.CHIP	22	5%	1/10W	
R5513	1-216-009-00	RES.CHIP	22	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R5514	1-216-009-00	RES,CHIP	22	5%	1/10W	
R5515	1-216-009-00	RES.CHIP	22	5%	1/10W	
R5516	1-216-009-00	RES,CHIP	22	5%	1/10W	
R5517	1-216-009-00	RES,CHIP	22	5%	1/10W	
R5518	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5519	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5520	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5521	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5522	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5523	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5524	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5525	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R5526	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R5527	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R5528	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R5529	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R5530	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R5531	1-216-298-00	RES,CHIP	2.2	5%	1/10W	
R5532	1-216-298-00	RES,CHIP	2.2	5%	1/10W	
R5533	1-216-298-00	RES,CHIP	2.2	5%	1/10W	
R5534	1-216-298-00	RES,CHIP	2.2	5%	1/10W	
R5535	1-216-298-00	RES,CHIP	2.2	5%	1/10W	
R5536	1-216-298-00	RES,CHIP	2.2	5%	1/10W	
R5537	1-216-295-91	SHORT	0			
R5538	1-216-295-91	SHORT	0			
R5539	1-216-295-91	SHORT	0			
R5540	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R5541	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5542	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R5543	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	
R5544	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	
R5545	1-216-009-00	RES,CHIP	22	5%	1/10W	
R5546	1-216-009-00	RES,CHIP	22	5%	1/10W	
R5547	1-216-009-00	RES,CHIP	22	5%	1/10W	
R5548	1-216-009-00	RES,CHIP	22	5%	1/10W	
R5549	1-216-009-00	RES,CHIP	22	5%	1/10W	
R5550	1-216-009-00	RES,CHIP	22	5%	1/10W	
R5551	1-216-009-00	RES,CHIP	22	5%	1/10W	
R5552	1-216-009-00	RES,CHIP	22	5%	1/10W	
R5553	1-216-009-00	RES,CHIP	22	5%	1/10W	
R5554	1-216-009-00	RES,CHIP	22	5%	1/10W	
R5555	1-216-009-00	RES,CHIP	22	5%	1/10W	
R5556	1-216-009-00	RES,CHIP	22	5%	1/10W	
R5557	1-216-025-91	RES,CHIP	100	5%	1/10W	
R5558	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5559	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5560	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5561	1-216-630-11	METAL CHIP	130	0.50%	1/10W	
R5562	1-216-630-11	METAL CHIP	130	0.50%	1/10W	
R5563	1-216-625-11	METAL CHIP	82	0.50%	1/10W	
R5564	1-216-625-11	METAL CHIP	82	0.50%	1/10W	
R5565	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R5566	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R5567	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R5568	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	
R5569	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	
R5570	1-216-009-00	RES.CHIP	22	5%	1/10W	
R5571	1-216-009-00	RES.CHIP	22	5%	1/10W	

REF NO.		PART NO.	DESCRIPTION			REMARK
R5572		1-216-009-00	RES,CHIP	22	5%	1/10W
R5573		1-216-009-00	RES,CHIP	22	5%	1/10W
R5574		1-216-009-00	RES,CHIP	22	5%	1/10W
R5575		1-216-009-00	RES,CHIP	22	5%	1/10W
R5576		1-216-009-00	RES,CHIP	22	5%	1/10W
R5577		1-216-009-00	RES,CHIP	22	5%	1/10W
R5578		1-216-009-00	RES,CHIP	22	5%	1/10W
R5579		1-216-009-00	RES,CHIP	22	5%	1/10W
R5580		1-216-009-00	RES,CHIP	22	5%	1/10W
R5581		1-216-009-00	RES,CHIP	22	5%	1/10W
R5582		1-216-025-91	RES,CHIP	100	5%	1/10W
R5583		1-216-073-00	RES,CHIP	10K	5%	1/10W
R5584		1-216-073-00	RES,CHIP	10K	5%	1/10W
R5585		1-216-073-00	RES,CHIP	10K	5%	1/10W
R5586		1-216-296-91	SHORT	0		
R5587		1-216-296-91	SHORT	0		
R5588		1-216-296-91	SHORT	0		
R5589		1-216-296-91	SHORT	0		
R5590		1-216-296-91	SHORT	0		
R5591		1-216-296-91	SHORT	0		
R5592		1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R5593		1-216-073-00	RES,CHIP	10K	5%	1/10W
R5594		1-216-073-00	RES,CHIP	10K	5%	1/10W
R5595		1-216-073-00	RES,CHIP	10K	5%	1/10W
R5596		1-216-073-00	RES,CHIP	10K	5%	1/10W
R5597		1-216-625-11	METAL CHIP	82	0.50%	1/10W
R5598		1-216-625-11	METAL CHIP	82	0.50%	1/10W
R5599		1-216-625-11	METAL CHIP	82	0.50%	1/10W
			<THERMISTOR>			
TH102		1-806-715-11	THERMISTOR			

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* A-1316-401-A GAA COMPL

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REF NO.		PART NO.	DESCRIPTION			REMARK
		1-533-189-11	HOLDER, FUSE			
		1-543-923-11	FERRITE	0μH		
		3-179-084-01	LEVER (R), PC BOARD			
		3-179-085-01	LEVER (L), PC BOARD			
		4-382-854-11	SCREW (M3X10), P, SW (+)			
		4-382-854-51	SCREW (M3X8), P, SW (+)			
			<CAPACITOR>			
C7001	⚠	1-113-511-11	FILM	0.47MF	20%	275V
C7002		1-137-477-11	FILM	0.47MF	10%	400V1
C7003		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7004		1-104-330-11	CERAMIC	470PF	10%	1KV
C7005		1-104-330-11	CERAMIC	470PF	10%	1KV
C7007		1-117-751-11	ELECT(BLOCK)	220MF	20%	450V
C7008		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7009		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7010		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7031	⚠	1-113-511-11	FILM	0.47MF	20%	275V
C7032		1-137-477-11	FILM	0.47MF	10%	400V
C7033		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7034		1-104-330-11	CERAMIC	470PF	10%	1KV
C7035		1-104-330-11	CERAMIC	470PF	10%	1KV-5

REF NO.		PART NO.	DESCRIPTION			REMARK
C7037		1-117-751-11	ELECT(BLOCK)	220MF	20%	450V
C7038		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7039		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7040		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7061	⚠	1-113-511-11	FILM	0.47MF	20%	275V
C7062		1-137-477-11	FILM	0.47MF	10%	400V
C7063		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7064		1-104-330-11	CERAMIC	470PF	10%	1KV
C7065		1-104-330-11	CERAMIC	470PF	10%	1KV
C7067		1-117-751-11	ELECT(BLOCK)	220MF	20%	450V
C7068		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7069		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7070		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
			<CONNECTOR>			
CN7001		1-778-393-11	PIN, PC CONNECTOR 96P			
CN7002	*	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P			
CN7003	*	1-774-249-11	CONNECTOR, BOARD TO BOARD 10P			
CN7032	*	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P			
CN7033	*	1-774-249-11	CONNECTOR, BOARD TO BOARD 10P			
CN7062	*	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P			
CN7063	*	1-774-249-11	CONNECTOR, BOARD TO BOARD 10P			
			<DIODE>			
D7001	⚠	8-719-066-75	DIODE D6SB80			
D7002		8-719-066-76	DIODE TF861S			
D7003		8-719-055-30	DIODE D1FS4A-TA			
D7004		8-719-055-30	DIODE D1FS4A-TA			
D7005		8-719-055-30	DIODE D1FS4A-TA			
D7006		8-719-055-30	DIODE D1FS4A-TA			
D7007		8-719-060-06	DIODE FSF10A60			
D7008		1-803-136-11	VARISTOR ZP2600			
D7009		1-803-136-11	VARISTOR ZP2600			
D7031	⚠	8-719-066-75	DIODE D6SB80			
D7032		8-719-066-76	DIODE TF861S			
D7033		8-719-055-30	DIODE D1FS4A-TA			
D7034		8-719-055-30	DIODE D1FS4A-TA			
D7035		8-719-055-30	DIODE D1FS4A-TA			
D7036		8-719-055-30	DIODE D1FS4A-TA			
D7037		8-719-060-06	DIODE FSF10A60			
D7038		1-803-136-11	VARISTOR ZP2600			
D7039		1-803-136-11	VARISTOR ZP2600			
D7061	⚠	8-719-066-75	DIODE D6SB80			
D7062		8-719-066-76	DIODE TF861S			
D7063		8-719-055-30	DIODE D1FS4A-TA			
D7064		8-719-055-30	DIODE D1FS4A-TA			
D7065		8-719-055-30	DIODE D1FS4A-TA			
D7066		8-719-055-30	DIODE D1FS4A-TA			
D7067		8-719-060-06	DIODE FSF10A60			
D7068		1-803-136-11	VARISTOR ZP2600			
D7069		1-803-136-11	VARISTOR ZP2600			
			<FUSE>			
F7001	⚠	1-576-232-11	FUSE (H.B.C.) 5A/250V			
F7031	⚠	1-576-232-11	FUSE (H.B.C.) 5A/250V			
F7061	⚠	1-576-232-11	FUSE (H.B.C.) 5A/250V			

REF NO.	PART NO.	DESCRIPTION				REMARK
		<COIL>				
L7001 ⚠	1-416-907-11	INDUCTOR	750µH			
L7031 ⚠	1-416-907-11	INDUCTOR	750µH			
L7061 ⚠	1-416-907-11	INDUCTOR	750µH			
		<TRANSISTOR>				
Q7001	8-729-043-15	TRANSISTOR 2SK3013F-02				
Q7002	8-729-043-15	TRANSISTOR 2SK3013F-02				
Q7031	8-729-043-15	TRANSISTOR 2SK3013F-02				
Q7032	8-729-043-15	TRANSISTOR 2SK3013F-02				
Q7061	8-729-043-15	TRANSISTOR 2SK3013F-02				
Q7062	8-729-043-15	TRANSISTOR 2SK3013F-02				
		<RESISTOR>				
R7001	1-219-363-11	FUSIBLE	5.6	5%	5W	F
R7002	1-219-363-11	FUSIBLE	5.6	5%	5W	F
R7004	1-217-156-00	REGISTER	0.22	10%	5W	F
R7005	1-215-870-11	METAL OXIDE	1.5K	5%	1W	F
R7006	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R7007	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R7008	1-216-003-11	RES,CHIP	12	5%	1/10W	
R7009	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R7010	1-216-003-11	RES,CHIP	12	5%	1/10W	
R7011	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R7012	1-218-231-11	RES,CHIP	1	10%	1/2W	
R7013	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R7031	1-219-363-11	FUSIBLE	5.6	5%	5W	F
R7032	1-219-363-11	FUSIBLE	5.6	5%	5W	F
R7034	1-217-156-00	REGISTER	0.22	10%	5W	F
R7035	1-215-870-11	METAL OXIDE	1.5K	5%	1W	F
R7036	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R7037	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R7038	1-216-003-11	RES,CHIP	12	5%	1/10W	
R7039	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R7040	1-216-003-11	RES,CHIP	12	5%	1/10W	
R7041	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R7042	1-218-231-11	RES,CHIP	1	10%	1/2W	
R7043	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R7061	1-219-363-11	FUSIBLE	5.6	5%	5W	F
R7062	1-219-363-11	FUSIBLE	5.6	5%	5W	F
R7064	1-217-156-00	REGISTER	0.22	10%	5W	F
R7065	1-215-870-11	METAL OXIDE	1.5K	5%	1W	F
R7066	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R7067	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R7068	1-216-003-11	RES,CHIP	12	5%	1/10W	
R7069	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R7070	1-216-003-11	RES,CHIP	12	5%	1/10W	
R7071	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R7072	1-218-231-11	RES,CHIP	1	10%	1/2W	
R7073	1-216-487-11	METAL OXIDE	12K	5%	3W	F

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REF NO.	PART NO.	DESCRIPTION			REMARK
	* A-1316-402-A	GAB COMPL *********			
	1-533-189-11	HOLDER, FUSE			
	1-543-923-11	FERRITE	0µH		
	3-179-084-01	LEVER (R), PC BOARD			
	3-179-085-01	LEVER (L), PC BOARD			
	4-382-854-11	SCREW (M3X10), P, SW (+)			
		<CAPACITOR>			
C7101 ⚠	1-113-511-11	FILM	0.47MF	20%	275V
C7102	1-137-477-11	FILM	0.47MF	10%	400V
C7103	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7104	1-104-330-11	CERAMIC	470PF	10%	1KV
C7105	1-104-330-11	CERAMIC	470PF	10%	1KV
C7107	1-117-751-11	ELECT(BLOCK) 220MF	20%	450V	
C7108	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7109	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7110	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7151 ⚠	1-113-511-11	FILM	0.47MF	20%	275V
C7152	1-137-477-11	FILM	0.47MF	10%	400V
C7153	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7154	1-104-330-11	CERAMIC	470PF	10%	1KV
C7155	1-104-330-11	CERAMIC	470PF	10%	1KV
C7157	1-117-751-11	ELECT(BLOCK) 220MF	20%	450V	
C7158	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7159	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7160	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7201	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C7202	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C7203	1-164-492-11	CERAMIC CHIP	0.15MF	10%	16V
C7204	1-107-889-11	ELECT	220MF	20%	25V
C7205	1-165-319-11	CERAMIC CHIP	0.1MF	50V	
C7206	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C7207	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C7208	1-164-492-11	CERAMIC CHIP	0.15MF	10%	16V
		<CONNECTOR>			
CN7101	1-778-393-11	PIN, PC CONNECTOR 96P			
CN7102	* 1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P			
CN7103	* 1-774-249-11	CONNECTOR, BOARD TO BOARD 10P			
CN7152	* 1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P			
CN7153	* 1-774-249-11	CONNECTOR, BOARD TO BOARD 10P			
CN7201	* 1-774-246-11	CONNECTOR, BOARD TO BOARD 10P			
		<DIODE>			
D7101 ⚠	8-719-066-75	DIODE D6SB80			
D7102	8-719-066-76	DIODE TF861S			
D7103	8-719-055-30	DIODE D1FS4A-TA			
D7104	8-719-055-30	DIODE D1FS4A-TA			
D7105	8-719-055-30	DIODE D1FS4A-TA			
D7106	8-719-055-30	DIODE D1FS4A-TA			
D7107	8-719-060-06	DIODE FSF10A60			
D7108	1-803-136-11	VARISTOR ZP2600			
D7109	1-803-136-11	VARISTOR ZP2600			
D7151 ⚠	8-719-066-75	DIODE D6SB80			
D7152	8-719-066-76	DIODE TF861S			
D7153	8-719-055-30	DIODE D1FS4A-TA			
D7154	8-719-055-30	DIODE D1FS4A-TA			
D7155	8-719-055-30	DIODE D1FS4A-TA			
D7156	8-719-055-30	DIODE D1FS4A-TA			
D7157	8-719-060-06	DIODE FSF10A60			
D7158	1-803-136-11	VARISTOR ZP2600			
D7159	1-803-136-11	VARISTOR ZP2600			

GAB **GB**

REF NO.	PART NO.	DESCRIPTION				REMARK
		<FUSE>				
F7101 ⚠	1-576-232-11	FUSE (H.B.C.) 5A/250V				
F7151 ⚠	1-576-232-11	FUSE (H.B.C.) 5A/250V				
		<IC>				
IC7201	8-759-485-61	IC FA5331P				
		<COIL>				
L7101 ⚠	1-416-907-11	INDUCTOR	750µH			
L7151 ⚠	1-416-907-11	INDUCTOR	750µH			
		<TRANSISTOR>				
Q7101	8-729-043-15	TRANSISTOR 2SK3013F-02				
Q7102	8-729-043-15	TRANSISTOR 2SK3013F-02				
Q7151	8-729-043-15	TRANSISTOR 2SK3013F-02				
Q7152	8-729-043-15	TRANSISTOR 2SK3013F-02				
Q7201	8-729-230-49	TRANSISTOR 2SC2712-YG				
		<RESISTOR>				
R7101	1-219-363-11	FUSIBLE	5.6	5%	5W	F
R7102	1-219-363-11	FUSIBLE	5.6	5%	5W	F
R7104	1-217-156-00	REGISTER	0.22	10%	5W	F
R7105	1-215-870-11	METAL OXIDE	1.5K	5%	1W	F
R7106	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R7107	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R7108	1-216-003-11	RES,CHIP	12	5%	1/10W	
R7109	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R7110	1-216-003-11	RES,CHIP	12	5%	1/10W	
R7111	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R7112	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R7151	1-219-363-11	FUSIBLE	5.6	5%	5W	F
R7152	1-219-363-11	FUSIBLE	5.6	5%	5W	F
R7154	1-217-156-00	REGISTER	0.22	10%	5W	F
R7155	1-215-870-11	METAL OXIDE	1.5K	5%	1W	F
R7156	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R7157	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R7158	1-216-003-11	RES,CHIP	12	5%	1/10W	
R7159	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R7160	1-216-003-11	RES,CHIP	12	5%	1/10W	
R7161	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R7162	1-218-231-11	RES,CHIP	1	10%	1/2W	
R7163	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R7201	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R7203	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R7204	1-216-687-11	METAL CHIP	33K	0.50%	1/10W	
R7205	1-216-005-00	RES,CHIP	15	5%	1/10W	
R7206	1-220-335-11	RES,CHIP	180K	5%	1/2W	
R7207	1-216-025-91	RES,CHIP	100	5%	1/10W	
R7208	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R7209	1-220-335-11	RES,CHIP	180K	5%	1/2W	
R7210	1-220-337-11	RES,CHIP	270K	5%	1/2W	
R7211	1-220-336-11	RES,CHIP	220K	5%	1/2W	
R7212	1-220-335-11	RES,CHIP	180K	5%	1/2W	
R7213	1-220-337-11	RES,CHIP	270K	5%	1/2W	
R7214	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W	
R7215	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R7216	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R7217	1-216-073-00	RES,CHIP	10K	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R7218	1-216-101-00	RES,CHIP	150K	5%	1/10W	
R7219	1-216-085-00	RES,CHIP	33K	5%	1/10W	
R7220	1-216-629-11	METAL CHIP	120	0.50%	1/10W	
R7221	1-220-336-11	RES,CHIP	220K	5%	1/2W	
R7222	1-220-336-11	RES,CHIP	220K	5%	1/2W	
R7223	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R7224	1-216-089-91	RES,CHIP	47K	5%	1/10W	

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REF NO.	PART NO.	DESCRIPTION				REMARK
	* A-1316-403-A	GB COMPL ********				
	3-179-084-01	LEVER (R), PC BOARD				
	3-179-085-01	LEVER (L), PC BOARD				
	* 4-041-261-01	SHEET, INSULATING				
	* 4-057-443-01	HOLDER (CF), TR				
	4-382-854-01	SCREW (M3X8), P, SW (+)				
	4-382-854-51	SCREW (M3X8), P, SW (+)				
		<CAPACITOR>				
C7501	1-107-824-11	CERAMIC	220PF	5%	1KV	
C7502	1-107-792-11	CERAMIC	100PF	5%	1KV	
C7503	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V	
C7504	1-107-888-11	ELECT	47MF	20%	25V	
C7505	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V	
C7506	1-107-914-11	ELECT	1000MF	20%	25V	
C7507	1-113-903-11	CERAMIC	0.001MF	20%	250V	
C7508	1-107-906-11	ELECT	10MF	20%	50V	
C7509	1-115-742-11	ELECT	0.0027F	20%	10V	
C7510	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C7512	1-115-742-11	ELECT	0.0027F	20%	10V	
C7513	1-137-484-11	FILM	0.47MF	10%	630V	
C7514	1-107-792-11	CERAMIC	100PF	5%	1KV	
C7515	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C7516	1-115-802-11	ELECT	56MF	20%	35V	
C7601	1-107-824-11	CERAMIC	220PF	5%	1KV	
C7602	1-107-792-11	CERAMIC	100PF	5%	1KV	
C7603	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V	
C7604	1-107-888-11	ELECT	47MF	20%	25V	
C7605	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V	
C7606	1-115-742-11	ELECT	0.0027F	20%	10V	
C7608	1-115-794-51	ELECT	0.0027F	20%	25V	
C7610	1-115-786-11	ELECT	560MF	20%	25V	
C7612	1-113-903-11	CERAMIC	0.001MF	20%	250V	
C7614	1-107-906-11	ELECT	10MF	20%	50V	
C7615	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V	
C7616	1-115-734-11	ELECT	680MF	20%	10V	
C7617	1-115-790-11	ELECT	0.0015F	20%	25V	
C7618	1-111-087-11	ELECT	330MF	20%	25V	
C7620	1-107-792-11	CERAMIC	100PF	5%	1KV	
C7621	1-130-202-00	FILM	0.022MF	5%	400V	
C7801	1-107-824-11	CERAMIC	220PF	5%	1KV	
C7802	1-107-792-11	CERAMIC	100PF	5%	1KV	
C7803	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V	
C7804	1-107-888-11	ELECT	47MF	20%	25V	
C7805	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V	
C7806	1-113-903-11	CERAMIC	0.001MF	20%	250V	
C7807	1-110-994-11	ELECT	0.0068F	20%	6.3V	

REF NO.	PART NO.	DESCRIPTION				REMARK
C7808	1-115-746-11	ELECT	0.0056F	20%	10V	
C7809	1-110-994-11	ELECT	0.0068F	20%	6.3V	
C7810	1-115-742-11	ELECT	0.0027F	20%	10V	
C7811	1-107-906-11	ELECT	10MF	20%	50V	
C7812	1-115-742-11	ELECT	0.0027F	20%	10V	
C7813	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V	
C7815	1-115-742-11	ELECT	0.0027F	20%	10V	
C7816	1-115-718-51	ELECT	0.0039F	20%	6.3V	
C7817	1-115-737-11	ELECT	0.001F	20%	10V	
C7818	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V	
C7819	1-110-987-11	ELECT	0.0022F	20%	6.3V	
C7820	1-115-710-31	ELECT	0.001F	20%	6.3V	
C7822	1-107-792-11	CERAMIC	100PF	5%	1KV	
C7823	1-130-202-00	FILM	0.022MF	5%	400V	
C7824	1-115-818-51	ELECT	0.0018F	20%	35V	
C7825	1-115-811-11	ELECT	560MF	20%	35V	
C7826	1-110-994-11	ELECT	0.0068F	20%	6.3V	
		<CONNECTOR>				
CN7501	* 1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P				
CN7502	1-778-393-11	PIN, PC CONNECTOR 96P				
		<DIODE>				
D7501	8-719-059-23	DIODE P6KE200AG23				
D7502	8-719-059-23	DIODE P6KE200AG23				
D7503	8-719-059-23	DIODE P6KE200AG23				
D7504	8-719-059-23	DIODE P6KE200AG23				
D7505	8-719-947-06	DIODE RGP10JPKG23				
D7506	8-719-300-33	DIODE RU-3AM				
D7507	8-719-061-49	DIODE FCH20A10				
D7508	8-719-050-21	DIODE FCQ20A04				
D7509	8-719-106-35	DIODE RD8.2M-B2				
D7601	8-719-059-23	DIODE P6KE200AG23				
D7602	8-719-059-23	DIODE P6KE200AG23				
D7603	8-719-059-23	DIODE P6KE200AG23				
D7604	8-719-059-23	DIODE P6KE200AG23				
D7605	8-719-947-06	DIODE RGP10JPKG23				
D7606	8-719-300-33	DIODE RU-3AM				
D7608	8-719-071-90	DIODE 11DQ10-TA2B5				
D7609	8-719-510-41	DIODE D10SC9M				
D7610	8-719-050-21	DIODE FCQ20A04				
D7611	8-719-106-35	DIODE RD8.2M-B2				
D7801	8-719-059-23	DIODE P6KE200AG23				
D7802	8-719-059-23	DIODE P6KE200AG23				
D7803	8-719-059-23	DIODE P6KE200AG23				
D7804	8-719-059-23	DIODE P6KE200AG23				
D7805	8-719-947-06	DIODE RGP10JPKG23				
D7806	8-719-300-33	DIODE RU-3AM				
D7807	8-719-050-21	DIODE FCQ20A04				
D7808	8-719-050-21	DIODE FCQ20A04				
D7809	8-719-510-13	DIODE D10SC4MR				
D7812	8-719-055-30	DIODE D1FS4A-TA				
D7813	8-719-104-34	DIODE 1S2836				
D7814	8-719-106-35	DIODE RD8.2M-B2				
D7815	8-719-071-53	DIODE F16P20FS				
		<IC>				
IC7501	8-759-490-02	IC TOP224Y-BB				
IC7502	8-759-388-23	IC TL431BCDR2				
IC7503	8-759-098-24	IC PQ30RV11				
IC7601	8-759-548-34	IC TOP227Y-BB				
IC7602	8-759-388-23	IC TL431BCDR2				
IC7801	8-759-548-33	IC TOP226Y-BB				
IC7802	8-759-388-23	IC TL431BCDR2				
IC7803	8-759-548-32	IC LT1269CT				
		<COIL>				
L7501	1-406-659-51	INDUCTOR	10µH			
L7602	1-412-525-31	INDUCTOR	10µH			
L7603	1-406-971-51	INDUCTOR	10µH			
L7604	1-406-659-51	INDUCTOR	10µH			
L7801	1-406-971-51	INDUCTOR	10µH			
L7802	1-412-525-31	INDUCTOR	10µH			
L7803	1-416-908-11	INDUCTOR	10µH			
L7804	1-406-659-51	INDUCTOR	10µH			
L7805	1-412-519-11	INDUCTOR	3.3µH			
L7806	1-412-525-31	INDUCTOR	10µH			
		<PHOTO COUPLER>				
PH7501	8-749-010-64	PHOTO COUPLER PC123F2				
PH7502	8-749-010-64	PHOTO COUPLER PC123F2				
PH7601	8-749-010-64	PHOTO COUPLER PC123F2				
PH7801	8-749-010-64	PHOTO COUPLER PC123F2				
		<IC LINK>				
PS7501 ⚠	1-533-597-31	LINK, IC				
PS7602 ⚠	1-576-124-11	LINK, IC				
PS7603 ⚠	1-533-790-31	LINK, IC				
PS7604 ⚠	1-533-595-31	LINK, IC				
PS7801 ⚠	1-533-282-21	LINK, IC				
PS7802 ⚠	1-576-288-31	RINK, IC				
PS7803 ⚠	1-533-595-31	LINK, IC				
PS7804 ⚠	1-533-596-21	LINK, IC				
PS7805 ⚠	1-533-282-21	LINK, IC				
		<TRANSISTOR>				
Q7501	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q7502	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q7503	8-729-216-22	TRANSISTOR 2SA1162-G				
Q7504	8-729-216-22	TRANSISTOR 2SA1162-G				
Q7801	8-729-216-22	TRANSISTOR 2SA1162-G				
		<RESISTOR>				
R7501	1-217-418-61	FUSIBLE	0.47	10%	1/2W	F
R7502	1-249-377-11	CARBON	0.47	5%	1/4W	F
R7503	1-260-127-11	CARBON	220K	5%	1/2W	
R7504	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R7505	1-216-025-91	RES,CHIP	100	5%	1/10W	
R7506	1-260-127-11	CARBON	220K	5%	1/2W	
R7507	1-216-025-91	RES,CHIP	100	5%	1/10W	
R7508	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R7509	1-216-311-00	RES.CHIP	6.8	5%	1/10W	
R7510	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R7511	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R7512	1-220-267-11	RES.CHIP	180	5%	1/2W	
R7513	1-220-221-11	RES,CHIP	100	5%	1/2W	
R7514	1-220-267-11	RES,CHIP	180	5%	1/2W	
R7515	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	

GB GC GF GM

REF NO.		PART NO.	DESCRIPTION				REMARK
R7516		1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W	
R7517		1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R7519		1-216-081-00	RES,CHIP	22K	5%	1/10W	
R7520		1-216-081-00	RES,CHIP	22K	5%	1/10W	
R7521		1-216-073-00	RES,CHIP	10K	5%	1/10W	
R7522		1-216-073-00	RES,CHIP	10K	5%	1/10W	
R7523		1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R7524		1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R7525		1-260-127-11	CARBON	220K	5%	1/2W	
R7526		1-260-127-11	CARBON	220K	5%	1/2W	
R7527		1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R7528		1-216-661-11	METAL CHIP	2.7K	0.50%	1/10W	
R7529		1-216-661-11	METAL CHIP	2.7K	0.50%	1/10W	
R7601		1-249-377-11	CARBON	0.47	5%	1/4W	F
R7602		1-216-311-00	RES,CHIP	6.8	5%	1/10W	
R7603		1-216-049-91	RES,CHIP	1K	5%	1/10W	
R7604		1-218-326-11	RES,CHIP	470	5%	1/2W	
R7605		1-218-326-11	RES,CHIP	470	5%	1/2W	
R7606		1-216-689-11	METAL CHIP	39K	0.50%	1/10W	
R7607		1-216-673-11	METAL CHIP	8.2K	0.50%	1/10W	
R7608		1-216-689-11	METAL CHIP	39K	0.50%	1/10W	
R7609		1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R7610		1-215-903-11	METAL OXIDE	68K	5%	2W	F
R7611		1-216-025-91	RES,CHIP	100	5%	1/10W	
R7801		1-249-377-11	CARBON	0.47	5%	1/4W	F
R7802		1-216-311-00	RES,CHIP	6.8	5%	1/10W	
R7803		1-216-049-91	RES,CHIP	1K	5%	1/10W	
R7804		1-220-221-11	RES,CHIP	100	5%	1/2W	
R7805		1-220-267-11	RES,CHIP	180	5%	1/2W	
R7806		1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W	
R7807		1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W	
R7809		1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R7810		1-216-049-91	RES,CHIP	1K	5%	1/10W	
R7814		1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W	
R7815		1-216-647-11	METAL CHIP	680	0.50%	1/10W	
R7816		1-216-075-00	RES,CHIP	12K	5%	1/10W	
R7817		1-215-903-11	METAL OXIDE	68K	5%	2W	F
R7818		1-216-025-91	RES,CHIP	100	5%	1/10W	
			<TRANSFORMER>				
T7501	⚠	1-433-559-11	TRANSFORMER, CONVERTER (SRT)				
T7601	⚠	1-433-567-11	TRANSFORMER, CONVERTER (SRT)				
T7801	⚠	1-433-566-11	TRANSFORMER, CONVERTER (SRT)				

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GC MOUNT
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			<CAPACITOR>				
C7201		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C7202		1-163-003-11	CERAMIC CHIP	330PF	10%	50V	
C7203		1-164-492-11	CERAMIC CHIP	0.15MF	10%	16V	
C7204		1-107-889-11	ELECT	220MF	20%	25V	
C7205		1-165-319-11	CERAMIC CHIP	0.1MF	50V		
C7206		1-163-113-00	CERAMIC CHIP	68PF	5%	50V	
C7207		1-163-133-00	CERAMIC CHIP	470PF	5%	50V	
C7208		1-164-492-11	CERAMIC CHIP	0.15MF	10%	16V	

REF NO.		PART NO.	DESCRIPTION				REMARK
			<CONNECTOR>				
CN7201		* 1-774-246-11	CONNECTOR, BOARD TO BOARD 10P				
			<IC>				
IC7201		8-759-485-61	IC FA5331P				
			<TRANNSISTOR>				
Q7201		8-729-230-49	TRANSISTOR 2SC2712-YG				
			<RESISTOR>				
R7201		1-216-077-00	RES,CHIP	15K	5%	1/10W	
R7203		1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R7204		1-216-687-11	METAL CHIP	33K	0.50%	1/10W	
R7205		1-216-005-00	RES,CHIP	15	5%	1/10W	
R7206		1-220-335-11	RES,CHIP	180K	5%	1/2W	
R7207		1-216-025-91	RES,CHIP	100	5%	1/10W	
R7208		1-216-089-91	RES,CHIP	47K	5%	1/10W	
R7209		1-220-335-11	RES,CHIP	180K	5%	1/2W	
R7210		1-220-337-11	RES,CHIP	270K	5%	1/2W	
R7211		1-220-336-11	RES,CHIP	220K	5%	1/2W	
R7212		1-220-335-11	RES,CHIP	180K	5%	1/2W	
R7213		1-220-337-11	RES,CHIP	270K	5%	1/2W	
R7214		1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W	
R7215		1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R7216		1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R7217		1-216-073-00	RES,CHIP	10K	5%	1/10W	
R7218		1-216-101-00	RES,CHIP	150K	5%	1/10W	
R7219		1-216-085-00	RES,CHIP	33K	5%	1/10W	
R7220		1-216-629-11	METAL CHIP	120	0.50%	1/10W	
R7221		1-220-336-11	RES,CHIP	220K	5%	1/2W	
R7222		1-220-336-11	RES,CHIP	220K	5%	1/2W	
R7223		1-216-077-00	RES,CHIP	15K	5%	1/10W	
R7224		1-216-089-91	RES,CHIP	47K	5%	1/10W	

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		* 1-670-882-11	PWB, GF *******				
		* 1-533-701-11	HOLDER, FUSE				
			<CONNECTOR>				
CN101		* 1-580-230-21	PIN, CONNECTOR (PC BOARD) 2P				
CN102		* 1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P				

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		* A-1311-694-A	GM MOUNT ********				
		* 4-374-846-01	COVER, CAPACITOR, CAP TYPE				
			<CAPACITOR>				
C201	⚠	1-113-511-11	FILM	0.47MF	20%	275V	
C202	⚠	1-113-912-11	CERAMIC	0.0047MF	20%	250V	
C203	⚠	1-113-912-11	CERAMIC	0.0047MF	20%	250V	
C204	⚠	1-107-533-11	FILM	1MF	20%	250V	
C205	⚠	1-113-912-11	CERAMIC	0.0047MF	20%	250V	
C206	⚠	1-113-912-11	CERAMIC	0.0047MF	20%	250V	

REF NO.		PART NO.	DESCRIPTION				REMARK
C207	⚠	1-113-511-11	FILM	0.47MF	20%	275V	
			<CONNECTOR>				
CN202		* 1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P				
CN203		1-778-391-11	SOCKET, PC CONNECTOR 96P				
CN204		1-778-391-11	SOCKET, PC CONNECTOR 96P				
CN205		1-778-391-11	SOCKET, PC CONNECTOR 96P				
			<COIL>				
L201	⚠	1-202-882-51	INDUCTOR	168μH			
L202	⚠	1-202-882-51	INDUCTOR	168μH			
			<RESISTOR>				
R201	⚠	1-202-847-00	SOLID	560K	20%	1/2W	
R202	⚠	1-202-847-00	SOLID	560K	20%	1/2W	
			<TRANSFORMER>				
T201	⚠	1-433-558-11	TRANSFORMER, LINE FILTER				
T202	⚠	1-431-161-11	TRANSFORMER, LINE FILTER				
			<VARISTOR>				
VDR201	⚠	1-801-073-41	VARISTOR ERZV14D471				

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REF NO.		PART NO.	DESCRIPTION				REMARK
		* A-1375-180-A	H COMPL *******				
		4-362-612-00	HOLDER (B), LED				
			<CAPACITOR>				
C6001		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6002		1-164-506-11	CERAMIC CHIP	4.7MF	16V		
C6003		1-128-391-11	ELECT CHIP	330MF	20%	6.3V	
C6004		1-128-391-11	ELECT CHIP	330MF	20%	6.3V	
C6201		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6202		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6203		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6204		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6205		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6206		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6207		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6208		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6209		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6305		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6306		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6307		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6308		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6309		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6310		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6311		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6312		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6313		1-164-506-11	CERAMIC CHIP	4.7MF	16V		
C6314		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6315		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6316		1-164-506-11	CERAMIC CHIP	4.7MF	16V		
C6321		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6322		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6323		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	

REF NO.	PART NO.	DESCRIPTION				REMARK
C6324	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6325	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6326	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6327	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6328	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6329	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6330	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6331	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6332	1-164-506-11	CERAMIC CHIP	4.7MF	16V		
C6333	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C6334	1-164-506-11	CERAMIC CHIP	4.7MF	16V		
C6335	1-128-391-11	ELECT CHIP	330MF	20%	6.3V	
C6336	1-128-391-11	ELECT CHIP	330MF	20%	6.3V	
		<CONNECTOR>				
CN6001	* 1-580-055-21	PIN, CONNECTOR 2P				
CN6002	1-695-223-21	PIN, CONNECTOR (SMD) 10P				
CN6003	* 1-691-551-11	PIN, CONNECTOR (SMD) 8P				
CN6004	* 1-580-789-21	PIN, CONNECTOR (SMD) 6P				
		<DIODE>				
D6001	8-719-800-76	DIODE 1SS226				
D6002	8-719-800-76	DIODE 1SS226				
D6003	8-719-800-76	DIODE 1SS226				
D6004	8-719-800-76	DIODE 1SS226				
D6005	8-719-800-76	DIODE 1SS226				
D6006	8-719-800-76	DIODE 1SS226				
D6007	8-719-800-76	DIODE 1SS226				
D6008	8-719-800-76	DIODE 1SS226				
D6009	8-719-800-76	DIODE 1SS226				
D6010	8-719-800-76	DIODE 1SS226				
D6011	8-719-800-76	DIODE 1SS226				
D6012	8-719-800-76	DIODE 1SS226				
D6013	8-719-800-76	DIODE 1SS226				
D6014	8-719-800-76	DIODE 1SS226				
D6015	8-719-800-76	DIODE 1SS226				
D6016	8-719-800-76	DIODE 1SS226				
D6017	8-719-800-76	DIODE 1SS226				
D6201	8-719-976-22	DIODE MU03-2205				
D6202	8-719-976-22	DIODE MU03-2205				
D6203	8-719-914-43	DIODE DAN202K				
D6204	8-719-914-43	DIODE DAN202K				
D6205	8-719-976-22	DIODE MU03-2205				
D6206	8-719-976-22	DIODE MU03-2205				
D6301	8-719-045-61	DIODE SEC1901C				
D6302	8-719-045-61	DIODE SEC1901C				
D6303	8-719-045-61	DIODE SEC1901C				
D6304	8-719-045-61	DIODE SEC1901C				
D6305	8-719-045-60	DIODE SEC1401C				
D6306	8-719-045-60	DIODE SEC1401C				
D6307	8-719-045-61	DIODE SEC1901C				
D6308	8-719-045-61	DIODE SEC1901C				
D6309	8-719-045-61	DIODE SEC1901C				
D6310	8-719-045-61	DIODE SEC1901C				
D6311	8-719-045-60	DIODE SEC1401C				
D6312	8-719-045-60	DIODE SEC1401C				
D6313	8-719-045-61	DIODE SEC1901C				
D6314	8-719-045-61	DIODE SEC1901C				

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REF NO.	PART NO.	DESCRIPTION	REMARK
D6315	8-719-045-61	DIODE SEC1901C	
D6316	8-719-045-61	DIODE SEC1901C	
D6317	8-719-045-60	DIODE SEC1401C	
D6318	8-719-045-60	DIODE SEC1401C	
D6319	8-719-045-61	DIODE SEC1901C	
D6320	8-719-045-61	DIODE SEC1901C	
D6321	8-719-045-61	DIODE SEC1901C	
D6322	8-719-045-61	DIODE SEC1901C	
D6323	8-719-045-60	DIODE SEC1401C	
D6324	8-719-045-60	DIODE SEC1401C	
D6325	8-719-045-61	DIODE SEC1901C	
D6326	8-719-045-61	DIODE SEC1901C	
D6327	8-719-045-61	DIODE SEC1901C	
D6328	8-719-045-61	DIODE SEC1901C	
D6329	8-719-045-60	DIODE SEC1401C	
D6330	8-719-045-60	DIODE SEC1401C	
D6331	8-719-045-61	DIODE SEC1901C	
D6332	8-719-915-45	DIODE SLP162B	
D6333	8-719-045-61	DIODE SEC1901C	
D6334	8-719-045-61	DIODE SEC1901C	
D6335	8-719-045-61	DIODE SEC1901C	
D6336	8-719-918-87	DIODE BG5531K	
		<DELAY LINE>	
DL6201	8-719-072-87	DIODE MU04-3101	
DL6202	8-719-071-09	DIODE MU04-2105	
DL6203	8-719-071-09	DIODE MU04-2105	
DL6204	8-719-071-09	DIODE MU04-2105	
DL6205	8-719-071-09	DIODE MU04-2105	
		<IC>	
IC6001	8-742-088-10	HYB IC SBX1780-51(10)	
IC6301	8-759-470-51	IC MB88141APFV-ER	
IC6302	8-759-174-16	IC TC74VHC244F	
IC6303	8-759-470-51	IC MB88141APFV-ER	
IC6304	8-759-174-16	IC TC74VHC244F	
		<TRANSISTOR>	
Q6001	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q6002	8-729-014-93	TRANSISTOR 2SB1440S-TX	
Q6201	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6202	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6203	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6204	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6205	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q6206	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q6207	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q6208	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q6209	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6210	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6211	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6212	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q6213	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q6214	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q6215	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6216	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6217	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q6218	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q6301	8-729-027-38	TRANSISTOR DTA144EKA-T146	

REF NO.	PART NO.	DESCRIPTION	REMARK
Q6302	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q6303	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q6304	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q6305	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q6306	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q6307	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q6308	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q6309	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q6310	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q6311	8-729-014-93	TRANSISTOR 2SB1440S-TX	
Q6312	8-729-014-93	TRANSISTOR 2SB1440S-TX	
Q6313	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q6314	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q6315	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q6316	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q6317	8-729-230-49	TRANSISTOR 2SC2712-YG	
		<RESISTOR>	
R6002	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R6003	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6004	1-216-023-00	RES,CHIP 82 5% 1/10W	
R6005	1-216-023-00	RES,CHIP 82 5% 1/10W	
R6006	1-216-023-00	RES,CHIP 82 5% 1/10W	
R6007	1-216-023-00	RES,CHIP 82 5% 1/10W	
R6008	1-216-023-00	RES,CHIP 82 5% 1/10W	
R6009	1-216-023-00	RES,CHIP 82 5% 1/10W	
R6010	1-216-023-00	RES,CHIP 82 5% 1/10W	
R6011	1-216-023-00	RES,CHIP 82 5% 1/10W	
R6012	1-216-023-00	RES,CHIP 82 5% 1/10W	
R6013	1-216-023-00	RES,CHIP 82 5% 1/10W	
R6015	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R6016	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6017	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6018	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6019	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6020	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6021	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6022	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6023	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6024	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6025	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6026	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6027	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6028	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6029	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6030	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6031	1-216-025-91	RES,CHIP 100 5% 1/10W	
R6101	1-216-083-00	RES,CHIP 27K 5% 1/10W	
R6102	1-216-083-00	RES,CHIP 27K 5% 1/10W	
R6103	1-216-083-00	RES,CHIP 27K 5% 1/10W	
R6104	1-216-075-00	RES,CHIP 12K 5% 1/10W	
R6105	1-216-075-00	RES,CHIP 12K 5% 1/10W	
R6106	1-216-075-00	RES,CHIP 12K 5% 1/10W	
R6107	1-216-069-00	RES,CHIP 6.8K 5% 1/10W	
R6108	1-216-069-00	RES,CHIP 6.8K 5% 1/10W	
R6109	1-216-069-00	RES,CHIP 6.8K 5% 1/10W	
R6110	1-216-063-91	RES,CHIP 3.9K 5% 1/10W	
R6111	1-216-063-91	RES,CHIP 3.9K 5% 1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R6112	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	
R6113	1-216-059-00	RES,CHIP	2.7K	5%	1/10W	
R6114	1-216-059-00	RES,CHIP	2.7K	5%	1/10W	
R6115	1-216-059-00	RES,CHIP	2.7K	5%	1/10W	
R6116	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R6117	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R6118	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R6119	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	
R6120	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	
R6121	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	
R6122	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
R6123	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
R6124	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
R6125	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6126	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6127	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6201	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6202	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6203	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6204	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6205	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6206	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6207	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6208	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6209	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6210	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6211	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6212	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6213	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6214	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6215	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6216	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6217	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6218	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6219	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6220	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6221	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6222	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6223	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6224	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6225	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6226	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6227	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6228	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6229	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6230	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6231	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6232	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6233	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6234	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6235	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6236	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6237	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6238	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6239	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6240	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6241	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6301	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6302	1-216-035-00	RES.CHIP	270	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R6303	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6304	1-216-035-00	RES.CHIP	270	5%	1/10W	
R6308	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6309	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6316	1-216-031-00	RES,CHIP	180	5%	1/10W	
R6317	1-216-031-00	RES,CHIP	180	5%	1/10W	
R6320	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6322	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R6323	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6324	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R6326	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6327	1-216-295-91	SHORT	0			
R6328	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6329	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6330	1-216-295-91	SHORT	0			
R6331	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6332	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6335	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6336	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6337	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6338	1-216-295-91	SHORT	0			
R6339	1-216-295-91	SHORT	0			
R6340	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6342	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6343	1-216-031-00	RES,CHIP	180	5%	1/10W	
R6344	1-216-031-00	RES,CHIP	180	5%	1/10W	
R6345	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6346	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6347	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6348	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6349	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6350	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6351	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6352	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6353	1-216-031-00	RES,CHIP	180	5%	1/10W	
R6354	1-216-031-00	RES,CHIP	180	5%	1/10W	
R6355	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6356	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6357	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6358	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6359	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6360	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6361	1-216-031-00	RES,CHIP	180	5%	1/10W	
R6362	1-216-031-00	RES,CHIP	180	5%	1/10W	
R6363	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6364	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6365	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6366	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6367	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6368	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6371	1-216-031-00	RES,CHIP	180	5%	1/10W	
R6372	1-216-031-00	RES,CHIP	180	5%	1/10W	
R6374	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6384	1-216-097-91	RES.CHIP	100K	5%	1/10W	
R6385	1-216-025-91	RES.CHIP	100	5%	1/10W	
R6386	1-216-097-91	RES.CHIP	100K	5%	1/10W	
R6387	1-216-049-91	RES.CHIP	1K	5%	1/10W	
R6389	1-216-025-91	RES.CHIP	100	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R6390	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6391	1-216-295-91	SHORT	0			
R6393	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6394	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6395	1-216-295-91	SHORT	0			
R6396	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6397	1-216-295-91	SHORT	0			
R6398	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6401	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6402	1-216-295-91	SHORT	0			
R6403	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6404	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6405	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6408	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6410	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6411	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6412	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6413	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6414	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6415	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6416	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6417	1-216-035-00	RES,CHIP	270	5%	1/10W	
R6418	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6419	1-216-035-00	RES,CHIP	270	5%	1/10W	
		<SWITCH>				
S6101	1-692-679-21	SWITCH, TACTILE(SELECT)				
S6102	1-692-679-21	SWITCH, TACTILE(INPUT-C)				
S6103	1-692-679-21	SWITCH, TACTILE(APA)				
S6104	1-692-679-21	SWITCH, TACTILE(VIDEO)				
S6105	1-692-679-21	SWITCH, TACTILE(INPUT-B)				
S6106	1-692-679-21	SWITCH, TACTILE(RESET)				
S6107	1-692-679-21	SWITCH, TACTILE(VOL-)				
S6108	1-692-679-21	SWITCH, TACTILE(INPUT-A)				
S6109	1-692-679-21	SWITCH, TACTILE(LEFT)				
S6110	1-692-679-21	SWITCH, TACTILE(VOL+)				
S6111	1-692-679-21	SWITCH, TACTILE(LIGHT)				
S6112	1-692-679-21	SWITCH, TACTILE(RIGHT)				
S6113	1-692-679-21	SWITCH, TACTILE(PIC MUTE)				
S6114	1-692-679-21	SWITCH, TACTILE(FOCUS)				
S6115	1-692-679-21	SWITCH, TACTILE(DOWN)				
S6116	1-692-679-21	SWITCH, TACTILE(AUDIO MUTE)				
S6117	1-692-679-21	SWITCH, TACTILE(PIC SHIFT)				
S6118	1-692-679-21	SWITCH, TACTILE(UP)				
S6119	1-692-679-21	SWITCH, TACTILE(STAND BY)				
S6120	1-692-679-21	SWITCH, TACTILE(ZOOM)				
S6121	1-692-679-21	SWITCH, TACTILE(ENTER)				
S6122	1-692-679-21	SWITCH, TACTILE(ON)				
S6123	1-692-679-21	SWITCH, TACTILE(PATTERN)				
S6124	1-692-679-21	SWITCH, TACTILE(MENU)				

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	* A-1306-561-A	M COMPL	
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	* X-4036-255-1	PANEL (M) ASSY, REAR	
	* 1-526-659-00	SOCKET, IC (DP) 28P	
	* 1-526-662-21	SOCKET, IC (DP) 40P	
	* 1-540-212-11	SOCKET (ROTARY SWITCH)	

REF NO.	PART NO.	DESCRIPTION				REMARK
	4-055-636-01	SCREW (S2), M3				
	7-682-148-01	SCREW +P 3X8				
	7-682-247-09	SCREW +K 3X6				
	7-682-548-09	SCREW +B 3X8				
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3				
	8-752-887-16	IC CXP846P48Q-1-004				
		<CAPACITOR>				
C2001	1-128-401-11	ELECT CHIP	100MF	20%	25V	
C2002	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2003	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2004	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2005	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2006	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2007	1-128-401-11	ELECT CHIP	100MF	20%	25V	
C2008	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2009	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2010	1-128-401-11	ELECT CHIP	100MF	20%	25V	
C2011	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2012	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2013	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2014	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2015	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2016	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2017	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2018	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2019	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2020	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2023	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2024	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2026	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2027	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2028	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2029	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2201	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	
C2202	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2203	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2204	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2205	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2206	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	
C2207	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2208	1-163-233-11	CERAMIC CHIP	18PF	5%	50V	
C2209	1-163-233-11	CERAMIC CHIP	18PF	5%	50V	
C2210	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2211	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2212	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2213	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2214	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2215	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2216	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2217	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2218	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2219	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2222	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2301	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2302	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2303	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2304	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	

REF NO.	PART NO.	DESCRIPTION				REMARK
C2305	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2306	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2307	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2308	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2309	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2310	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2311	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2316	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2317	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2318	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2321	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	
C2322	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	
C2323	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2324	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	
C2325	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2326	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2401	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2402	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2403	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2404	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2405	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2406	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2407	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2408	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2409	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2410	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2411	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2412	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2413	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2414	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2501	1-163-121-00	CERAMIC CHIP	150PF	5%	50V	
C2503	1-163-121-00	CERAMIC CHIP	150PF	5%	50V	
C2505	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2507	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2508	1-126-193-11	ELECT CHIP	1MF	20%	50V	
C2509	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2513	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2514	1-128-401-11	ELECT CHIP	100MF	20%	25V	
C2515	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2517	1-104-607-11	ELECT CHIP	47MF	20%	16V	
C2518	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2519	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2520	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2521	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2522	1-104-607-11	ELECT CHIP	47MF	20%	16V	
C2523	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2524	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2525	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2526	1-124-779-00	ELECT CHIP	10MF	20%	16V	
C2527	1-128-401-11	ELECT CHIP	100MF	20%	25V	
C2528	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2529	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2530	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2531	1-104-607-11	ELECT CHIP	47MF	20%	16V	
C2532	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2601	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2605	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2606	1-104-607-11	ELECT CHIP	47MF	20%	16V	
C2609	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	

REF NO.	PART NO.	DESCRIPTION				REMARK
C2611	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2612	1-104-607-11	ELECT CHIP	47MF	20%	16V	
C2613	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2614	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2615	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2616	1-104-607-11	ELECT CHIP	47MF	20%	16V	
C2617	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2618	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2619	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2703	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2704	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2705	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2706	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2707	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2708	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2709	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2710	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2711	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2712	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	
C2713	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	
C2714	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2901	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2902	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2903	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	
C2904	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	
C2905	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2906	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2907	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2908	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2910	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2911	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2913	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2914	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2915	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2916	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2917	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2918	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2919	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2920	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	
C2921	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C2922	1-126-193-11	ELECT CHIP	1MF	20%	50V	
C2924	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2926	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2927	1-126-193-11	ELECT CHIP	1MF	20%	50V	
C2929	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2930	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2932	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2933	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2934	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2935	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C2936	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
		<CONNECTOR>				
CN2001	* 1-785-559-11	CONNECTOR, BOARD TO BOARD 140P				
CN2501	* 1-691-551-11	PIN, CONNECTOR (SMD) 8P				
CN2601	* 1-691-551-11	PIN, CONNECTOR (SMD) 8P				

REF NO.	PART NO.	DESCRIPTION	REMARK
		<DIODE>	
D2001	8-719-914-43	DIODE DAN202K	
D2002	8-719-914-43	DIODE DAN202K	
D2003	8-719-914-43	DIODE DAN202K	
D2004	8-719-914-43	DIODE DAN202K	
D2005	8-719-914-43	DIODE DAN202K	
D2006	8-719-914-43	DIODE DAN202K	
D2007	8-719-914-43	DIODE DAN202K	
D2008	8-719-914-43	DIODE DAN202K	
D2701	8-719-158-17	DIODE RD5.6SB2	
D2702	8-719-158-17	DIODE RD5.6SB2	
D2703	8-719-158-17	DIODE RD5.6SB2	
D2704	8-719-158-17	DIODE RD5.6SB2	
D2705	8-719-158-17	DIODE RD5.6SB2	
D2706	8-719-158-17	DIODE RD5.6SB2	
D2707	8-719-158-17	DIODE RD5.6SB2	
D2708	8-719-158-17	DIODE RD5.6SB2	
D2902	8-719-914-43	DIODE DAN202K	
D2903	8-719-914-43	DIODE DAN202K	
D2904	8-719-914-43	DIODE DAN202K	
D2905	8-719-158-17	DIODE RD5.6SB2	
D2906	8-719-914-43	DIODE DAN202K	
D2907	8-719-800-76	DIODE 1SS226	
D2908	8-719-800-76	DIODE 1SS226	
D2909	8-719-800-76	DIODE 1SS226	
D2911	8-719-158-53	DIODE RD13SB2	
D2912	8-719-914-43	DIODE DAN202K	
D2913	8-719-914-43	DIODE DAN202K	
D2914	8-719-800-76	DIODE 1SS226	
D2915	8-719-800-76	DIODE 1SS226	
D2916	8-719-800-76	DIODE 1SS226	
D2917	8-719-800-76	DIODE 1SS226	
		<FILTER>	
FL2001	1-239-466-21	FILTER, EMI	
FL2002	1-239-466-21	FILTER, EMI	
		<IC>	
IC2001	8-759-186-77	IC TC74VHC541F	
IC2002	8-759-186-77	IC TC74VHC541F	
IC2003	8-759-186-77	IC TC74VHC541F	
IC2004	8-759-186-77	IC TC74VHC541F	
IC2005	8-759-491-41	IC TC74VHCT541AF(EL)	
IC2006	8-759-186-26	IC TC74VHC02F	
IC2007	8-759-186-77	IC TC74VHC541F	
IC2008	8-759-186-63	IC TC74VHC245F	
IC2010	8-759-439-28	IC TC7SH32F-TE85L	
IC2011	8-759-271-86	IC TC7SH04FU	
IC2012	8-759-186-43	IC TC74VHC123AF	
IC2201	8-759-162-80	IC MM1170BFB	
IC2203	8-759-543-74	IC CY7C1021-20ZC	
IC2206	8-759-530-40	IC M48Z35Y-70PC1	
IC2207	8-759-384-54	IC MBM29F400BA-70PFTN	
IC2209	* 8-759-545-62	IC M27C4002-10F1-SX1647	
IC2211	8-759-081-48	IC TC74VHC08F	
IC2212	8-759-082-55	IC TC7W00FU	
IC2213	8-759-271-86	IC TC7SH04FU	
IC2214	8-759-242-68	IC TC7W32F	
IC2301	8-759-571-01	IC MBCG46104-120PFV	
IC2303	8-759-162-80	IC MM1170BFB	
IC2304	8-759-242-74	IC TC7W04F	
IC2401	8-759-174-16	IC TC74VHC244F	
IC2402	8-759-174-16	IC TC74VHC244F	
IC2403	8-759-174-16	IC TC74VHC244F	
IC2404	8-759-174-16	IC TC74VHC244F	
IC2405	8-759-174-16	IC TC74VHC244F	
IC2406	8-759-271-86	IC TC7SH04FU	
IC2407	8-759-271-86	IC TC7SH04FU	
IC2408	8-759-186-38	IC TC74VHC32F	
IC2409	8-759-186-63	IC TC74VHC245F	
IC2410	8-759-174-16	IC TC74VHC244F	
IC2411	8-759-174-16	IC TC74VHC244F	
IC2412	8-759-174-16	IC TC74VHC244F	
IC2413	8-759-384-54	IC MBM29F400BA-70PFTN	
IC2501	8-759-186-43	IC TC74VHC123AF	
IC2503	8-759-186-77	IC TC74VHC541F	
IC2504	8-759-186-77	IC TC74VHC541F	
IC2505	8-759-437-35	IC MB90091APF-116	
IC2506	8-759-186-77	IC TC74VHC541F	
IC2507	8-759-271-86	IC TC7SH04FU	
IC2508	8-759-186-63	IC TC74VHC245F	
IC2509	8-759-439-28	IC TC7SH32F-TE85L	
IC2510	8-759-460-74	IC BA05FP-E2	
IC2511	8-759-571-45	IC ISPLSI2032-80LT48-M01V1	
IC2601	8-759-430-23	IC µPD65806GD-064-LML	
IC2603	8-759-491-32	IC TC74VHCT04AF(EL)	
IC2604	8-759-180-84	IC TC7W74F	
IC2605	8-759-394-05	IC TC7SH08F-TE85R	
IC2607	8-759-575-94	IC TC551664BJ-15(EL)	
IC2608	8-759-575-94	IC TC551664BJ-15(EL)	
IC2611	8-759-571-44	IC ISPLSI1016E-80LT44-M02V1	
IC2703	8-752-900-26	IC CXP846P48Q-1-012	
IC2901	8-759-242-74	IC TC7W04F	
IC2902	8-759-479-15	IC PC16552DV	
IC2903	8-759-701-01	IC NJM2904M	
IC2904	8-759-271-86	IC TC7SH04FU	
IC2905	8-759-981-61	IC LM2901M	
IC2906	8-759-566-67	IC MAX3085CSA-TG068	
IC2907	8-759-566-67	IC MAX3085CSA-TG068	
IC2909	8-759-396-84	IC MAX211ECAI-TE2	
IC2910	8-759-397-00	IC MAX489ECSD-TE2	
IC2911	8-759-180-84	IC TC7W74F	
		<JACK>	
J2901	1-507-562-00	JACK	
		<TRANSISTOR>	
Q2001	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2002	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2003	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2004	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2005	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2006	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2007	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2008	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2009	8-729-202-38	TRANSISTOR 2SC3326N-A	
Q2010	8-729-202-38	TRANSISTOR 2SC3326N-A	

REF NO.	PART NO.	DESCRIPTION				REMARK
Q2011	1-801-806-11	TRANSISTOR DTC144EKA-T146				
Q2012	1-801-806-11	TRANSISTOR DTC144EKA-T146				
Q2013	8-729-216-22	TRANSISTOR 2SA1162-G				
Q2014	1-801-806-11	TRANSISTOR DTC144EKA-T146				
Q2201	8-729-216-22	TRANSISTOR 2SA1162-G				
Q2202	1-801-806-11	TRANSISTOR DTC144EKA-T146				
Q2501	1-801-806-11	TRANSISTOR DTC144EKA-T146				
Q2901	1-801-806-11	TRANSISTOR DTC144EKA-T146				
Q2902	8-729-216-22	TRANSISTOR 2SA1162-G				
Q2903	1-801-806-11	TRANSISTOR DTC144EKA-T146				
Q2904	1-801-806-11	TRANSISTOR DTC144EKA-T146				
Q2905	1-801-806-11	TRANSISTOR DTC144EKA-T146				
Q2906	1-801-806-11	TRANSISTOR DTC144EKA-T146				
Q2907	1-801-806-11	TRANSISTOR DTC144EKA-T146				
Q2908	8-729-014-93	TRANSISTOR 2SB1440S-TX				
Q2909	1-801-806-11	TRANSISTOR DTC144EKA-T146				
Q2910	1-801-806-11	TRANSISTOR DTC144EKA-T146				
Q2911	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q2912	8-729-900-53	TRANSISTOR DTC114EK				
Q2913	8-729-900-53	TRANSISTOR DTC114EK				
Q2914	8-729-900-53	TRANSISTOR DTC114EK				
Q2915	8-729-900-53	TRANSISTOR DTC114EK				
		<RESISTOR>				
R2001	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2002	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2003	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2004	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2005	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2006	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2007	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2008	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2010	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R2011	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R2013	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2014	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2015	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2016	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2017	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2018	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2019	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2020	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2021	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2026	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2028	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2029	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2030	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2031	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2032	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2033	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2034	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2035	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2036	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2037	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2038	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R2039	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2040	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2041	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2042	1-216-025-91	RES,CHIP	100	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R2043	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2044	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2045	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2046	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2047	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2049	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2050	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2051	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2052	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2053	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2054	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2055	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2056	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2057	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2058	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2059	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2060	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2061	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2062	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2063	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2065	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2066	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2067	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2068	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2069	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2070	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2071	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2072	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2073	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2074	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2075	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2076	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2077	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2078	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2079	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2080	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2081	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2082	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2083	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2084	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2085	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2086	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2087	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R2088	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2089	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2090	1-216-295-91	SHORT	0			
R2091	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2092	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2093	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2094	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2095	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2096	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2097	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2098	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2099	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2100	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2101	1-216-073-00	RES,CHIP	10K	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R2102	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2103	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2104	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2105	1-216-009-00	RES,CHIP	22	5%	1/10W	
R2106	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2107	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2108	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2109	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2110	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2111	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2112	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2113	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2114	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2115	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2116	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2117	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2118	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2119	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2120	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2121	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2122	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2123	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2124	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2125	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2126	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2127	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2128	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2129	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2130	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2131	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2132	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2133	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2134	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2135	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2136	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2137	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2138	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2142	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2143	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2144	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2145	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2146	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2147	1-216-073-00	RES.CHIP	10K	5%	1/10W	
R2148	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2149	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2150	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2151	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2152	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2153	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2154	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2155	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2156	1-216-047-91	RES,CHIP	820	5%	1/10W	
R2157	1-216-073-00	RES.CHIP	10K	5%	1/10W	
R2158	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2159	1-216-047-91	RES,CHIP	820	5%	1/10W	
R2160	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2161	1-216-047-91	RES.CHIP	820	5%	1/10W	
R2162	1-216-025-91	RES,CHIP	100	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R2163	1-216-047-91	RES,CHIP	820	5%	1/10W	
R2164	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2165	1-216-047-91	RES,CHIP	820	5%	1/10W	
R2166	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2167	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2168	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2169	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2170	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2171	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2172	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2173	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2174	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2175	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2176	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2177	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2178	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2179	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2180	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2181	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2182	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2183	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2184	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2185	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2186	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2187	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2188	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2189	1-216-295-91	SHORT	0			
R2190	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2192	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2193	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2194	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2195	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2196	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2197	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2198	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2199	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2200	1-216-295-91	SHORT	0			
R2201	1-216-295-91	SHORT	0			
R2202	1-216-295-91	SHORT	0			
R2203	1-216-295-91	SHORT	0			
R2206	1-216-295-91	SHORT	0			
R2207	1-216-295-91	SHORT	0			
R2208	1-216-295-91	SHORT	0			
R2209	1-216-295-91	SHORT	0			
R2210	1-216-295-91	SHORT	0			
R2211	1-216-295-91	SHORT	0			
R2212	1-216-295-91	SHORT	0			
R2213	1-216-295-91	SHORT	0			
R2214	1-216-295-91	SHORT	0			
R2215	1-216-295-91	SHORT	0			
R2216	1-216-295-91	SHORT	0			
R2217	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2218	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2219	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2220	1-216-033-00	RES,CHIP	220	5%	1/10W	
R2221	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2222	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2223	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2224	1-216-025-91	RES,CHIP	100	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R2225	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2229	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2230	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2231	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2232	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2233	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2234	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2235	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2236	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2238	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2239	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2240	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2241	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2242	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2243	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2244	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2246	1-216-059-00	RES,CHIP	2.7K	5%	1/10W	
R2247	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2248	1-216-033-00	RES,CHIP	220	5%	1/10W	
R2250	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R2252	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2253	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R2254	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2255	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2256	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2257	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2258	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2259	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2260	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2261	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2262	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2263	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2264	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2265	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2266	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2267	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2268	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2269	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2270	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2271	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2272	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2273	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2274	1-216-295-91	SHORT	0			
R2275	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2276	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R2278	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2279	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2280	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2281	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2282	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2285	1-216-295-91	SHORT	0			
R2286	1-216-295-91	SHORT	0			
R2287	1-216-295-91	SHORT	0			
R2288	1-216-295-91	SHORT	0			
R2289	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2290	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2291	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2292	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2293	1-216-295-91	SHORT	0			
R2294	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2295	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2296	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2297	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2301	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2302	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2303	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2304	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2305	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2306	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2307	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2308	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2309	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2310	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2311	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2313	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2314	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2315	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2316	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2317	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2318	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2319	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2320	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2321	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2322	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2323	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2324	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2325	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2326	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2327	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2331	1-216-121-91	RES,CHIP	1M	5%	1/10W	
R2332	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2333	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2334	1-216-295-91	SHORT	0			
R2335	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2336	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2337	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2338	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2343	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2344	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2345	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2346	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2347	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2348	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2351	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2352	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2353	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2354	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2355	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2356	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2357	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2358	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2359	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2360	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2361	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2362	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2363	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2364	1-216-073-00	RES,CHIP	10K	5%	1/10W	

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REF NO.	PART NO.	DESCRIPTION				REMARK
R2365	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2366	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2367	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2368	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2369	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2370	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2371	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2372	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R2373	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2374	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2375	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2376	1-216-295-91	SHORT	0			
R2377	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2378	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2379	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2380	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2381	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2382	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2383	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2384	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2385	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2386	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2387	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2388	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2389	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2403	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2404	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2407	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2408	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2409	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2410	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2411	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2412	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2421	1-216-295-91	SHORT	0			
R2501	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2502	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2503	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2504	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2505	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2506	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2510	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2511	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2515	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2517	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2519	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2520	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2521	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2522	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2523	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2524	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2525	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2526	1-216-295-91	SHORT	0			
R2528	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2529	1-216-295-91	SHORT	0			
R2530	1-216-029-00	RES,CHIP	150	5%	1/10W	
R2532	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2534	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2535	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2536	1-216-025-91	RES,CHIP	100	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R2537	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2539	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2540	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2541	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2542	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2543	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2544	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2545	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2546	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2547	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2548	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2549	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2550	1-216-295-91	SHORT	0			
R2551	1-216-295-91	SHORT	0			
R2552	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2557	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2558	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2559	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2560	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2561	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2562	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2563	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2564	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2565	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2566	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2567	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2568	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2569	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2570	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2571	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2572	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2573	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2574	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2575	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2576	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2577	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2578	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2579	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2580	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2581	1-216-295-91	SHORT	0			
R2582	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2601	1-216-295-91	SHORT	0			
R2604	1-216-295-91	SHORT	0			
R2605	1-216-295-91	SHORT	0			
R2606	1-216-295-91	SHORT	0			
R2607	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2608	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2609	1-216-295-91	SHORT	0			
R2610	1-216-295-91	SHORT	0			
R2611	1-216-295-91	SHORT	0			
R2612	1-216-295-91	SHORT	0			
R2613	1-216-295-91	SHORT	0			
R2614	1-216-295-91	SHORT	0			
R2615	1-216-295-91	SHORT	0			
R2616	1-216-295-91	SHORT	0			
R2617	1-216-295-91	SHORT	0			
R2618	1-216-295-91	SHORT	0			
R2619	1-216-295-91	SHORT	0			
R2620	1-216-295-91	SHORT	0			

REF NO.	PART NO.	DESCRIPTION				REMARK
R2621	1-216-295-91	SHORT	0			
R2622	1-216-295-91	SHORT	0			
R2623	1-216-295-91	SHORT	0			
R2624	1-216-295-91	SHORT	0			
R2625	1-216-295-91	SHORT	0			
R2626	1-216-295-91	SHORT	0			
R2627	1-216-295-91	SHORT	0			
R2628	1-216-295-91	SHORT	0			
R2629	1-216-295-91	SHORT	0			
R2630	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2632	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2633	1-216-295-91	SHORT	0			
R2634	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2635	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2636	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2637	1-216-295-91	SHORT	0			
R2640	1-216-295-91	SHORT	0			
R2641	1-216-295-91	SHORT	0			
R2643	1-216-295-91	SHORT	0			
R2646	1-216-295-91	SHORT	0			
R2653	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2654	1-216-295-91	SHORT	0			
R2660	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2661	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2662	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2663	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2664	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2665	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2666	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2667	1-216-295-91	SHORT	0			
R2668	1-216-295-91	SHORT	0			
R2669	1-216-295-91	SHORT	0			
R2670	1-216-295-91	SHORT	0			
R2671	1-216-295-91	SHORT	0			
R2672	1-216-295-91	SHORT	0			
R2673	1-216-295-91	SHORT	0			
R2674	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2702	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2703	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2709	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2710	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2711	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2712	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2713	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2714	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2715	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2716	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2718	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2719	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2720	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2721	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2722	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2723	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2724	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2725	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2726	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2727	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2728	1-216-025-91	RES,CHIP	100	5%	1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R2729	1-216-295-91	SHORT	0			
R2730	1-216-295-91	SHORT	0			
R2731	1-216-295-91	SHORT	0			
R2830	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2833	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2834	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2901	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2902	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2903	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2904	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2905	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2906	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2907	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2908	1-216-121-91	RES,CHIP	1M	5%	1/10W	
R2909	1-249-377-11	CARBON	0.47	5%	1/4W	F
R2910	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2911	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2912	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2913	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2914	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2915	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2916	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2917	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2918	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2919	1-216-295-91	SHORT	0			
R2920	1-216-109-00	RES,CHIP	330K	5%	1/10W	
R2921	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2922	1-216-109-00	RES,CHIP	330K	5%	1/10W	
R2923	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2924	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R2925	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2926	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2927	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2929	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2930	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2931	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2932	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2933	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2934	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2936	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2937	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R2938	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2939	1-216-051-00	RES,CHIP	1.2K	5%	1/10W	
R2940	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2941	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2942	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2944	1-216-295-91	SHORT	0			
R2945	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2947	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R2948	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2949	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2950	1-216-025-91	RES,CHIP	100	5%	1/10W	
R2951	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R2952	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2953	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R2954	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R2955	1-216-025-91	RES,CHIP	100	5%	1/10W	

M **N** **QA**

REF NO.	PART NO.	DESCRIPTION			REMARK
R2956	1-216-037-00	RES,CHIP	330	5%	1/10W
R2957	1-216-295-91	SHORT	0		
R2958	1-216-295-91	SHORT	0		
R2959	1-216-295-91	SHORT	0		
R2960	1-216-295-91	SHORT	0		
R2961	1-216-049-91	RES,CHIP	1K	5%	1/10W
R2962	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R2963	1-216-025-91	RES,CHIP	100	5%	1/10W
R2964	1-216-025-91	RES,CHIP	100	5%	1/10W
R2965	1-216-083-00	RES,CHIP	27K	5%	1/10W
R2966	1-216-097-91	RES,CHIP	100K	5%	1/10W
R2967	1-216-073-00	RES,CHIP	10K	5%	1/10W
R2968	1-216-073-00	RES,CHIP	10K	5%	1/10W
R2969	1-216-083-00	RES,CHIP	27K	5%	1/10W
R2970	1-216-025-91	RES,CHIP	100	5%	1/10W
R2971	1-216-025-91	RES,CHIP	100	5%	1/10W
R2972	1-216-025-91	RES,CHIP	100	5%	1/10W
R2973	1-216-025-91	RES,CHIP	100	5%	1/10W
R2974	1-216-025-91	RES,CHIP	100	5%	1/10W
R2975	1-216-025-91	RES,CHIP	100	5%	1/10W
R2976	1-216-025-91	RES,CHIP	100	5%	1/10W
R2977	1-216-025-91	RES,CHIP	100	5%	1/10W
R2978	1-216-025-91	RES,CHIP	100	5%	1/10W
R2979	1-216-073-00	RES,CHIP	10K	5%	1/10W
R2980	1-216-089-91	RES,CHIP	47K	5%	1/10W
R2981	1-216-109-00	RES,CHIP	330K	5%	1/10W
R2982	1-216-025-91	RES,CHIP	100	5%	1/10W
R2983	1-216-025-91	RES,CHIP	100	5%	1/10W
R2984	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R2985	1-216-089-91	RES,CHIP	47K	5%	1/10W
R2986	1-216-295-91	SHORT	0		
R2987	1-216-295-91	SHORT	0		
R2988	1-216-295-91	SHORT	0		
R2989	1-216-295-91	SHORT	0		
R2990	1-216-295-91	SHORT	0		
R2991	1-216-295-91	SHORT	0		
R2992	1-216-295-91	SHORT	0		
R2993	1-216-295-91	SHORT	0		
R2994	1-216-295-91	SHORT	0		
R2995	1-216-295-91	SHORT	0		
R2996	1-216-295-91	SHORT	0		
		<VARIABLE RESISTOR>			
RV2901	1-238-091-11	RES, ADJ CERMET 22K			
		<RELAY>			
RY2901	1-755-145-11	RELAY			
RY2902	1-755-145-11	RELAY			
RY2903	1-755-145-11	RELAY			
		<SWITCH>			
S2702	1-572-853-11	SWITCH, ROTARY(10)			
S2703	1-572-853-11	SWITCH, ROTARY(1)			
S2901	1-571-658-11	SWITCH, SLIDE(RS-232C/422)			
		<TERMINAL BOARD>			
TB2901	1-694-485-11	TERMINAL BOARD ASSY, I/O			
TB2902	1-694-486-11	TERMINAL BOARD ASSY, I/O			
		<CRYSTAL>			
X2201	1-781-201-21	VIBRATOR, CRYSTAL(7.15909MHZ)			
X2301	1-781-204-21	VIBRATOR, CRYSTAL(20MHZ)			
X2701	1-781-202-21	VIBRATOR, CRYSTAL(16MHZ)			
X2901	1-781-203-21	VIBRATOR, CRYSTAL(18.432MHZ)			
**					
	* A-1390-881-A	N MOUNT *******			
		<CAPACITOR>			
C801	1-124-779-00	ELECT CHIP	10MF	20%	16V
C802	1-165-319-11	CERAMIC CHIP	0.1MF	50V	
		<CONNECTOR>			
CN801	* 1-564-518-11	PLUG, CONNECTOR 3P			
		<DIODE>			
D801	8-719-158-17	DIODE RD5.6SB2			
		<IC>			
IC801	8-742-088-10	HYB IC SBX1780-51(10)			
		<RESISTOR>			
R801	1-216-025-91	RES,CHIP	100	5%	1/10W
R802	1-216-017-91	RES,CHIP	47	5%	1/10W
**					
	* A-1275-160-A	QA COMPL ********			
	* X-4036-247-1	PANEL (QA) ASSY, REAR			
	1-562-579-21	RECEPTACLE, CONNECTOR 2P			
	4-396-203-01	SCREW (+B M3X12), PREVENTION			
	7-685-647-79	SCREW +BVTP	3X10 TYPE2 IT-3		
		<CAPACITOR>			
C8001	1-128-594-11	ELECT CHIP	1MF	20%	50V
C8002	1-128-594-11	ELECT CHIP	1MF	20%	50V
C8003	1-128-453-21	ELECT CHIP	47MF	20%	6.3V
C8004	1-128-453-21	ELECT CHIP	47MF	20%	6.3V
C8005	1-128-453-21	ELECT CHIP	47MF	20%	6.3V
C8006	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8007	1-128-004-11	ELECT CHIP	10MF	20%	16V
C8008	1-128-004-11	ELECT CHIP	10MF	20%	16V
C8009	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8010	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8011	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8012	1-128-004-11	ELECT CHIP	10MF	20%	16V
C8013	1-126-204-11	ELECT CHIP	47MF	20%	16V
C8014	1-128-013-11	ELECT CHIP	1MF	20%	50V
C8015	1-128-004-11	ELECT CHIP	10MF	20%	16V
C8016	1-126-204-11	ELECT CHIP	47MF	20%	16V
C8017	1-128-013-11	ELECT CHIP	1MF	20%	50V
C8018	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8019	1-128-004-11	ELECT CHIP	10MF	20%	16V
C8020	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V

REF NO.	PART NO.	DESCRIPTION				REMARK
C8022	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8024	1-163-239-11	CERAMIC CHIP	33PF	5%	50V	
C8025	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8026	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8027	1-164-346-11	CERAMIC CHIP	1MF	16V		
C8028	1-163-239-11	CERAMIC CHIP	33PF	5%	50V	
C8029	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8030	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8031	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8032	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8033	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8034	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8035	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8038	1-128-594-11	ELECT CHIP	1MF	20%	50V	
C8039	1-128-594-11	ELECT CHIP	1MF	20%	50V	
C8040	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8041	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8201	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8202	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8203	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8204	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8205	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8206	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8207	1-128-453-21	ELECT CHIP	47MF	20%	6.3V	
C8208	1-128-453-21	ELECT CHIP	47MF	20%	6.3V	
C8209	1-128-453-21	ELECT CHIP	47MF	20%	6.3V	
C8210	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C8211	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8212	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8213	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C8214	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8215	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C8216	1-126-204-11	ELECT CHIP	47MF	20%	16V	
C8217	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8218	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8219	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8220	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8221	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8222	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8223	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8224	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8225	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8226	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8227	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8228	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8229	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8230	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8231	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8232	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8233	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8234	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8235	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8236	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8237	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8238	1-163-217-11	CERAMIC CHIP	1PF	0.25PF	50V	
C8239	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8240	1-163-217-11	CERAMIC CHIP	1PF	0.25PF	50V	
C8241	1-163-217-11	CERAMIC CHIP	1PF	0.25PF	50V	

REF NO.	PART NO.	DESCRIPTION				REMARK
C8242	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8243	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8244	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8245	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8246	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8247	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8248	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8249	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8250	1-163-217-11	CERAMIC CHIP	1PF	0.25PF	50V	
C8251	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8252	1-163-217-11	CERAMIC CHIP	1PF	0.25PF	50V	
C8253	1-163-217-11	CERAMIC CHIP	1PF	0.25PF	50V	
C8254	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8255	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8256	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8257	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8258	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8401	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8402	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8403	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8404	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8405	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8406	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8407	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8408	1-163-217-11	CERAMIC CHIP	1PF	0.25PF	50V	
C8409	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8410	1-163-217-11	CERAMIC CHIP	1PF	0.25PF	50V	
C8411	1-163-217-11	CERAMIC CHIP	1PF	0.25PF	50V	
C8412	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8413	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8414	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8415	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8416	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8417	1-128-004-11	ELECT CHIP	10MF	20%	16V	
C8418	1-128-004-11	ELECT CHIP	10MF	20%	16V	
		<CONNECTOR>				
CN8001	* 1-564-948-21	PIN, CONNECTOR 3P				
CN8002	* 1-564-948-21	PIN, CONNECTOR 3P				
CN8003	* 1-564-948-21	PIN, CONNECTOR 3P				
CN8004	* 1-564-948-21	PIN, CONNECTOR 3P				
CN8005	* 1-564-948-21	PIN, CONNECTOR 3P				
CN8201	1-778-393-11	PIN, PC CONNECTOR 96P				
		<DIODE>				
D8001	8-719-800-76	DIODE 1SS226				
D8002	8-719-800-76	DIODE 1SS226				
D8003	8-719-800-76	DIODE 1SS226				
D8004	8-719-800-76	DIODE 1SS226				
D8005	8-719-800-76	DIODE 1SS226				
D8006	8-719-800-76	DIODE 1SS226				
D8007	8-719-800-76	DIODE 1SS226				
D8008	8-719-801-78	DIODE 1SS184				
D8009	8-719-801-78	DIODE 1SS184				
D8012	8-719-801-78	DIODE 1SS184				
D8013	8-719-800-76	DIODE 1SS226				
D8014	8-719-800-76	DIODE 1SS226				
D8015	8-719-800-76	DIODE 1SS226				

REF NO.	PART NO.	DESCRIPTION	REMARK
D8016	8-719-800-76	DIODE 1SS226	
D8201	8-719-800-76	DIODE 1SS226	
D8202	8-719-800-76	DIODE 1SS226	
D8203	8-719-800-76	DIODE 1SS226	
D8204	8-719-801-78	DIODE 1SS184	
D8205	8-719-801-78	DIODE 1SS184	
D8206	8-719-801-78	DIODE 1SS184	
D8207	8-719-800-76	DIODE 1SS226	
D8208	8-719-800-76	DIODE 1SS226	
		<FILTER>	
FL8401	1-233-587-11	FILTER, LOW PASS	
FL8402	1-233-587-11	FILTER, LOW PASS	
FL8403	1-233-587-11	FILTER, LOW PASS	
		<IC>	
IC8001	8-759-011-65	IC MC74HC4053F	
IC8002	8-759-011-64	IC MC74HC4052F	
IC8003	8-759-981-48	IC TL082M	
IC8004	8-759-510-71	IC BA10358F-E2	
IC8005	8-759-092-82	IC SN75157PS-ELL2000	
IC8006	8-759-510-71	IC BA10358F-E2	
IC8007	8-759-981-48	IC TL082M	
IC8008	8-759-491-36	IC TC74VHCT244AF(EL)	
IC8009	8-759-092-82	IC SN75157PS-ELL2000	
IC8010	8-759-185-82	IC TC74VHC153F(EL)	
IC8201	8-759-335-28	IC TA78M09F(TE16L)	
IC8202	8-759-032-20	IC MC74HC32AF	
IC8203	8-759-235-19	IC TC74HC08AF(EL)	
IC8204	8-759-032-11	IC MC74HC04AF	
IC8205	8-759-460-74	IC BA05FP-E2	
IC8206	8-759-431-38	IC MAX4121CSA-TE2	
IC8207	8-759-431-38	IC MAX4121CSA-TE2	
IC8208	8-759-431-38	IC MAX4121CSA-TE2	
IC8209	8-759-431-38	IC MAX4121CSA-TE2	
IC8210	8-759-431-38	IC MAX4121CSA-TE2	
IC8211	8-759-431-38	IC MAX4121CSA-TE2	
IC8212	8-759-537-95	IC OPA658U-T2	
IC8213	8-759-537-95	IC OPA658U-T2	
IC8214	8-759-537-95	IC OPA658U-T2	
IC8215	8-759-537-95	IC OPA658U-T2	
IC8216	8-759-537-95	IC OPA658U-T2	
IC8217	8-759-537-95	IC OPA658U-T2	
IC8401	8-759-537-95	IC OPA658U-T2	
IC8402	8-759-537-95	IC OPA658U-T2	
IC8403	8-759-537-95	IC OPA658U-T2	
		<JACK>	
J8001	* 1-694-163-11	TERMINAL BOARD ASSY, I/O	
J8002	1-565-639-11	JACK, PIN 1P	
J8003	1-565-641-11	JACK, PIN 1P	
		<COIL>	
L8001	1-412-058-11	INDUCTOR CHIP 10µH	
L8002	1-412-058-11	INDUCTOR CHIP 10µH	
L8003	1-412-058-11	INDUCTOR CHIP 10µH	
L8004	1-412-058-11	INDUCTOR CHIP 10µH	
L8005	1-403-659-11	INDUCTOR 10NH	

REF NO.	PART NO.	DESCRIPTION	REMARK
L8006	1-403-659-11	INDUCTOR 10NH	
L8007	1-403-659-11	INDUCTOR 10NH	
L8008	1-403-664-11	INDUCTOR 27NH	
L8009	1-403-664-11	INDUCTOR 27NH	
L8010	1-403-664-11	INDUCTOR 27NH	
L8201	1-412-533-21	INDUCTOR 47µH	
L8202	1-412-533-21	INDUCTOR 47µH	
L8203	1-412-533-21	INDUCTOR 47µH	
		<TRANSISTOR>	
Q8001	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8002	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8005	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8006	8-729-216-22	TRANSISTOR 2SA1162-G	
Q8007	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8008	8-729-216-22	TRANSISTOR 2SA1162-G	
Q8011	8-729-216-22	TRANSISTOR 2SA1162-G	
Q8012	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8013	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8014	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8015	8-729-216-22	TRANSISTOR 2SA1162-G	
Q8016	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8017	8-729-216-22	TRANSISTOR 2SA1162-G	
Q8018	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8019	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8020	8-729-101-07	TRANSISTOR 2SB798-DL	
Q8201	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8202	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8203	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8204	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8205	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8206	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8401	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q8402	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q8403	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q8404	8-729-112-65	TRANSISTOR 2SA1462-Y33	
Q8405	8-729-112-65	TRANSISTOR 2SA1462-Y33	
Q8406	8-729-112-65	TRANSISTOR 2SA1462-Y33	
		<RESISTOR>	
R8001	1-220-259-11	RES,CHIP 150 5% 1/4W	
R8002	1-220-259-11	RES,CHIP 150 5% 1/4W	
R8003	1-216-113-00	RES,CHIP 470K 5% 1/10W	
R8004	1-216-113-00	RES,CHIP 470K 5% 1/10W	
R8005	1-220-259-11	RES,CHIP 150 5% 1/4W	
R8006	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R8007	1-220-259-11	RES,CHIP 150 5% 1/4W	
R8008	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R8009	1-216-097-91	RES,CHIP 100K 5% 1/10W	
R8010	1-216-097-91	RES,CHIP 100K 5% 1/10W	
R8011	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R8012	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R8013	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R8014	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R8015	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R8016	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R8017	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R8018	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R8019	1-216-089-91	RES,CHIP 47K 5% 1/10W	

REF NO.	PART NO.	DESCRIPTION				REMARK
R8020	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R8021	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R8022	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R8023	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R8024	1-216-025-91	RES,CHIP	100	5%	1/10W	
R8025	1-216-025-91	RES,CHIP	100	5%	1/10W	
R8027	1-216-041-00	RES,CHIP	470	5%	1/10W	
R8028	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R8031	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8032	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8033	1-216-095-00	RES,CHIP	82K	5%	1/10W	
R8034	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8035	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8036	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8037	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R8038	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8039	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8043	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8044	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R8045	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8046	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8047	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R8048	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R8049	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8050	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8051	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R8052	1-216-041-00	RES,CHIP	470	5%	1/10W	
R8054	1-216-041-00	RES,CHIP	470	5%	1/10W	
R8057	1-216-041-00	RES,CHIP	470	5%	1/10W	
R8058	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	
R8059	1-216-033-00	RES,CHIP	220	5%	1/10W	
R8060	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R8061	1-216-041-00	RES,CHIP	470	5%	1/10W	
R8062	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R8063	1-216-639-11	METAL CHIP	330	0.50%	1/10W	
R8064	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R8065	1-216-029-00	RES,CHIP	150	5%	1/10W	
R8066	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R8067	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8068	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8069	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8070	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R8073	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8075	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8076	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8077	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8079	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R8080	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8081	1-216-025-91	RES,CHIP	100	5%	1/10W	
R8082	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8083	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8085	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R8086	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8087	1-216-025-91	RES,CHIP	100	5%	1/10W	
R8088	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8089	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8092	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R8093	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R8094	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8095	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8096	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8097	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8098	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R8099	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R8100	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R8101	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R8102	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8103	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8104	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8105	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8106	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8107	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8108	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8109	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8110	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8111	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8112	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8113	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8120	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8121	1-216-013-00	RES,CHIP	33	5%	1/10W	
R8122	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8203	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8204	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8205	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8206	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8207	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8208	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8209	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8210	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8211	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8212	1-216-021-00	RES,CHIP	68	5%	1/10W	
R8213	1-216-021-00	RES,CHIP	68	5%	1/10W	
R8214	1-216-021-00	RES,CHIP	68	5%	1/10W	
R8215	1-216-021-00	RES,CHIP	68	5%	1/10W	
R8216	1-216-021-00	RES,CHIP	68	5%	1/10W	
R8217	1-216-021-00	RES,CHIP	68	5%	1/10W	
R8218	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8219	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8220	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R8221	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8222	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8223	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8224	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R8225	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R8226	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R8227	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R8228	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R8229	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R8230	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R8231	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R8232	1-216-295-91	SHORT	0			
R8233	1-216-295-91	SHORT	0			
R8234	1-216-295-91	SHORT	0			
R8235	1-216-641-11	METAL CHIP	390	0.50%	1/10W	
R8236	1-216-641-11	METAL CHIP	390	0.50%	1/10W	
R8237	1-216-641-11	METAL CHIP	390	0.50%	1/10W	

QA **QB**

REF NO.	PART NO.	DESCRIPTION			REMARK
R8238	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R8239	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R8240	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R8241	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R8242	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R8243	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R8244	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R8245	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R8246	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R8247	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R8248	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R8249	1-216-097-91	RES,CHIP	100K	5%	1/10W
R8250	1-216-097-91	RES,CHIP	100K	5%	1/10W
R8251	1-216-097-91	RES,CHIP	100K	5%	1/10W
R8252	1-216-295-91	SHORT	0		
R8253	1-216-295-91	SHORT	0		
R8254	1-216-295-91	SHORT	0		
R8255	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R8256	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R8257	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R8258	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R8259	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R8260	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R8261	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R8262	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R8263	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R8264	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R8265	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R8266	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R8267	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R8268	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R8269	1-216-073-00	RES,CHIP	10K	5%	1/10W
R8270	1-216-073-00	RES,CHIP	10K	5%	1/10W
R8271	1-216-001-00	RES,CHIP	10	5%	1/10W
R8272	1-216-001-00	RES,CHIP	10	5%	1/10W
R8273	1-216-001-00	RES,CHIP	10	5%	1/10W
R8274	1-216-025-91	RES,CHIP	100	5%	1/10W
R8275	1-216-025-91	RES,CHIP	100	5%	1/10W
R8276	1-216-025-91	RES,CHIP	100	5%	1/10W
R8277	1-216-097-91	RES,CHIP	100K	5%	1/10W
R8278	1-216-097-91	RES,CHIP	100K	5%	1/10W
R8279	1-216-097-91	RES,CHIP	100K	5%	1/10W
R8280	1-216-025-91	RES,CHIP	100	5%	1/10W
R8281	1-216-025-91	RES,CHIP	100	5%	1/10W
R8282	1-216-025-91	RES,CHIP	100	5%	1/10W
R8401	1-216-017-91	RES,CHIP	47	5%	1/10W
R8402	1-216-097-91	RES,CHIP	100K	5%	1/10W
R8403	1-216-097-91	RES,CHIP	100K	5%	1/10W
R8404	1-216-017-91	RES,CHIP	47	5%	1/10W
R8405	1-216-017-91	RES,CHIP	47	5%	1/10W
R8406	1-216-097-91	RES,CHIP	100K	5%	1/10W
R8407	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8408	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8409	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8410	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R8411	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R8412	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R8413	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8414	1-216-057-00	RES,CHIP	2.2K	5%	1/10W

REF NO.	PART NO.	DESCRIPTION			REMARK
R8415	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8416	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R8417	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R8418	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R8419	1-216-025-91	RES,CHIP	100	5%	1/10W
R8420	1-216-025-91	RES,CHIP	100	5%	1/10W
R8421	1-216-025-91	RES,CHIP	100	5%	1/10W
R8422	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8423	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8424	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8425	1-216-017-91	RES,CHIP	47	5%	1/10W
R8426	1-216-017-91	RES,CHIP	47	5%	1/10W
R8427	1-216-017-91	RES,CHIP	47	5%	1/10W
R8428	1-216-295-91	SHORT	0		
R8429	1-216-295-91	SHORT	0		
R8430	1-216-295-91	SHORT	0		
R8431	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R8432	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R8433	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R8434	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R8435	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R8436	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R8443	1-216-081-00	RES,CHIP	22K	5%	1/10W
R8444	1-216-081-00	RES,CHIP	22K	5%	1/10W
R8445	1-216-081-00	RES,CHIP	22K	5%	1/10W
		<RELAY>			
RY8201	1-755-177-11	RELAY			
RY8202	1-755-177-11	RELAY			
RY8203	1-755-177-11	RELAY			
RY8204	1-755-177-11	RELAY			
RY8205	1-755-177-11	RELAY			
RY8206	1-755-177-11	RELAY			
RY8207	1-755-177-11	RELAY			

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REF NO.	PART NO.	DESCRIPTION			REMARK
	* A-1275-161-A	QB COMPL(X2000U/X2000M)			
		********			
	* X-4036-248-1	PANEL (QB) ASSY, REAR			
	4-396-203-01	SCREW (+B M3X12), PREVENTION			
	7-685-647-79	SCREW +BVTP	3X10 TYPE2 IT-3		
		<CAPACITOR>			
C8501	1-104-664-11	ELECT	47MF	20%	16V
C8502	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8503	1-104-664-11	ELECT	47MF	20%	16V
C8504	1-104-664-11	ELECT	47MF	20%	16V
C8505	1-104-664-11	ELECT	47MF	20%	16V
C8506	1-109-889-11	ELECT	1MF	20%	50V
C8507	1-109-889-11	ELECT	1MF	20%	50V
C8508	1-126-786-11	ELECT	47MF	20%	16V
C8509	1-126-786-11	ELECT	47MF	20%	16V
C8510	1-126-786-11	ELECT	47MF	20%	16V
C8511	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8512	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8513	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V

REF NO.	PART NO.	DESCRIPTION	REMARK
		<CONNECTOR>	
CN8501	* 1-564-728-11	PIN, CONNECTOR (SMALL TYPE)12P	
CN8502	* 1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P	
		<DIODE>	
D8501	8-719-801-78	DIODE 1SS184	
D8502	8-719-106-53	DIODE RD10M-B2	
D8503	8-719-106-53	DIODE RD10M-B2	
D8505	8-719-106-53	DIODE RD10M-B2	
		<JACK>	
J8502	1-565-838-11	JACK BLOCK, PIN 2P	
J8503	1-565-838-11	JACK BLOCK, PIN 2P	
		<TRANSISTOR>	
Q8501	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8502	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q8503	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q8504	8-729-230-49	TRANSISTOR 2SC2712-YG	
		<RESISTOR>	
R8501	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R8502	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R8503	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R8504	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R8505	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R8506	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R8507	1-216-017-91	RES,CHIP 47 5% 1/10W	
R8508	1-216-017-91	RES,CHIP 47 5% 1/10W	
R8509	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R8510	1-216-017-91	RES,CHIP 47 5% 1/10W	
R8511	1-216-025-91	RES,CHIP 100 5% 1/10W	
R8512	1-216-025-91	RES,CHIP 100 5% 1/10W	
R8513	1-216-025-91	RES,CHIP 100 5% 1/10W	
R8514	1-216-025-91	RES,CHIP 100 5% 1/10W	
R8515	1-216-097-91	RES,CHIP 100K 5% 1/10W	
R8516	1-216-097-91	RES,CHIP 100K 5% 1/10W	
R8517	1-216-097-91	RES,CHIP 100K 5% 1/10W	
R8518	1-216-113-00	RES,CHIP 470K 5% 1/10W	
R8519	1-216-113-00	RES,CHIP 470K 5% 1/10W	
R8520	1-216-113-00	RES,CHIP 470K 5% 1/10W	
R8521	1-216-113-00	RES,CHIP 470K 5% 1/10W	
R8522	1-216-025-91	RES,CHIP 100 5% 1/10W	
R8523	1-216-081-00	RES,CHIP 22K 5% 1/10W	
R8524	1-216-081-00	RES,CHIP 22K 5% 1/10W	
R8525	1-216-081-00	RES,CHIP 22K 5% 1/10W	
R8526	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R8527	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R8528	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R8529	1-216-041-00	RES,CHIP 470 5% 1/10W	
R8530	1-216-041-00	RES,CHIP 470 5% 1/10W	
R8531	1-216-041-00	RES,CHIP 470 5% 1/10W	
R8532	1-216-017-91	RES,CHIP 47 5% 1/10W	
R8533	1-216-017-91	RES,CHIP 47 5% 1/10W	
R8534	1-216-017-91	RES,CHIP 47 5% 1/10W	
		<RELAY>	
RY8501	1-515-716-11	RELAY (TQ2-5V)	

REF NO.	PART NO.	DESCRIPTION	REMARK
		<TERMINAL BOARD>	
TB8501	1-694-477-11	TERMINAL BOARD ASSY, I/O	

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REF NO.	PART NO.	DESCRIPTION	REMARK
	* A-1275-166-A	QB COMPL(IFB-X2000E)(X2000E) ****************************	
	* X-4036-245-1	PANEL(QB/E)ASSY, REAR	
	4-396-203-01	SCREW(+B M3X12), PREVENTION	
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
		<CAPACITOR>	
C8502	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
		<CONNECTOR>	
CN8501	* 1-564-728-11	PIN, CONNECTOR(SMALL TYPE) 12P	
CN8502	* 1-564-720-11	PIN, CONNECTOR(SMALL TYPE) 4P	
		<JACK>	
J8503	1-565-838-11	JACK BLOCK, PIN 2P	
		<RESISTOR>	
R8513	1-216-025-91	RES,CHIP 100 5% 1/10W	
R8514	1-216-025-91	RES,CHIP 100 5% 1/10W	
R8515	1-216-097-91	RES,CHIP 100K 5% 1/10W	
R8516	1-216-097-91	RES,CHIP 100K 5% 1/10W	
R8517	1-216-097-91	RES,CHIP 100K 5% 1/10W	
R8518	1-216-113-00	RES,CHIP 470K 5% 1/10W	
R8519	1-216-113-00	RES,CHIP 470K 5% 1/10W	
R8520	1-216-113-00	RES,CHIP 470K 5% 1/10W	
R8521	1-216-113-00	RES,CHIP 470K 5% 1/10W	

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REF NO.	PART NO.	DESCRIPTION	REMARK
	* 1-670-889-11	PWB, UA *******	
		<CONNECTOR>	
CN601	* 1-564-507-11	PLUG, CONNECTOR 4P	
		<PHOTO COUPLER>	
PH601	1-806-293-12	PHOTO INTERRUPTER EE-SX1071	
		<TRANSISTOR>	
Q601	1-801-806-11	TRANSISTOR DTC144EKA-T146	
		<RESISTOR>	
R601	1-216-031-00	RES,CHIP 180 5% 1/10W	

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REF NO.	PART NO.	DESCRIPTION	REMARK
	* 1-670-890-11	PWB. UB *******	
		<CONNECTOR>	
CN701	* 1-564-517-11	PLUG, CONNECTOR 2P	

REF NO.	PART NO.	DESCRIPTION	REMARK
		<SWITCH>	
S701	1-570-245-11	SWITCH, MICRO	

****

REF NO.	PART NO.	DESCRIPTION	REMARK
	* 1-670-895-11	PWB, UC *******	
		<CONNECTOR>	
CN751	* 1-564-517-11	PLUG, CONNECTOR 2P	
		<SWITCH>	
S751	1-570-245-11	SWITCH, MICRO	

****

REF NO.	PART NO.	DESCRIPTION	REMARK
	* 1-670-892-11	PWB, V ******	
	1-778-697-11	HOUSING, CONNECTOR 3P	
		<CONNECTOR>	
CN901	* 1-564-519-11	PLUG, CONNECTOR 4P	
		<FUSE>	
F901	⚠ 1-532-990-11	FUSE, TEMPERATURE (1A/250V)	
		<SWITCH>	
S901	1-692-947-11	SWITCH, THERMAL GUARD	

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REF NO.	PART NO.	DESCRIPTION	REMARK
	* A-1390-879-A	XA MOUNT ********	
		<CONNECTOR>	
CN501	1-778-391-11	SOCKET, PC CONNECTOR 96P	
CN502	1-778-391-11	SOCKET, PC CONNECTOR 96P	
CN503	1-778-391-11	SOCKET, PC CONNECTOR 96P	
CN504	1-778-391-11	SOCKET, PC CONNECTOR 96P	
CN505	* 1-564-714-11	PIN, CONNECTOR (SMALL TYPE)12P	
CN506	* 1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P	
CN507	* 1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P	
		<RESISTOR>	
R501	1-216-396-11	METAL OXIDE 3.9 5% 3W	F
R502	1-216-396-11	METAL OXIDE 3.9 5% 3W	F
R503	1-216-396-11	METAL OXIDE 3.9 5% 3W	F

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REF NO.	PART NO.	DESCRIPTION	REMARK
	* A-1390-880-A	XB MOUNT ********	

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REF NO.	PART NO.	DESCRIPTION	REMARK
	* A-1390-906-A	XC MOUNT ********	
		<CONNECTOR>	
CN551	* 1-564-712-11	PIN, CONNECTOR (SMALL TYPE)10P	
CN552	* 1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P	
CN553	* 1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P	
CN554	* 1-564-716-11	PIN, CONNECTOR (SMALL TYPE)14P	
CN555	* 1-564-712-11	PIN, CONNECTOR (SMALL TYPE)10P	
CN556	* 1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P	
CN557	* 1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P	
CN558	* 1-564-716-11	PIN, CONNECTOR (SMALL TYPE)14P	

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REF NO.	PART NO.	DESCRIPTION	REMARK
		MISCELLANEOUS ****************	
	⚠ 1-468-286-11	POWER BLOCK	
	1-500-037-11	CORE, FERRITE (WITH CASE)	
	1-500-051-11	BEAD, FERRITE (WITH CASE)	
	1-504-673-11	SPEAKER (12.6X5.7CM)	
	* 1-506-622-11	CONNECTOR, PS 14P	
	⚠ 1-533-694-11	FUSE (5A/250V) (X2000U)	
	1-533-702-11	HOLDER, FUSE (X2000E/X2000M)	
	* 1-533-703-11	HOLDER, FUSE (X2000U)	
	1-543-947-11	CORE, FERRITE	
	1-576-233-11	FUSE (H.B.C.) 5A/250V (X2000E/X2000M)	
	⚠ 1-590-151-11	CORD SET, POWER (250V/100A) (X2000E/X2000M)	
	1-758-234-11	OPTICAL UNIT	
	1-763-238-11	FAN, DC	
	1-763-256-11	FAN, DC	
	1-763-257-11	FAN, DC	
	1-763-259-11	FAN, DC	
	1-763-260-11	FAN, DC	
	1-763-274-11	FAN, DC	
	⚠ 1-775-981-11	CORD SET, POWER (125V/150A) (X2000U)	
	1-782-021-11	CORD, CONNECTION	
	1-785-523-11	TERMINATOR, D SUB 9P	
	⚠ 1-785-591-11	INLET, AC	

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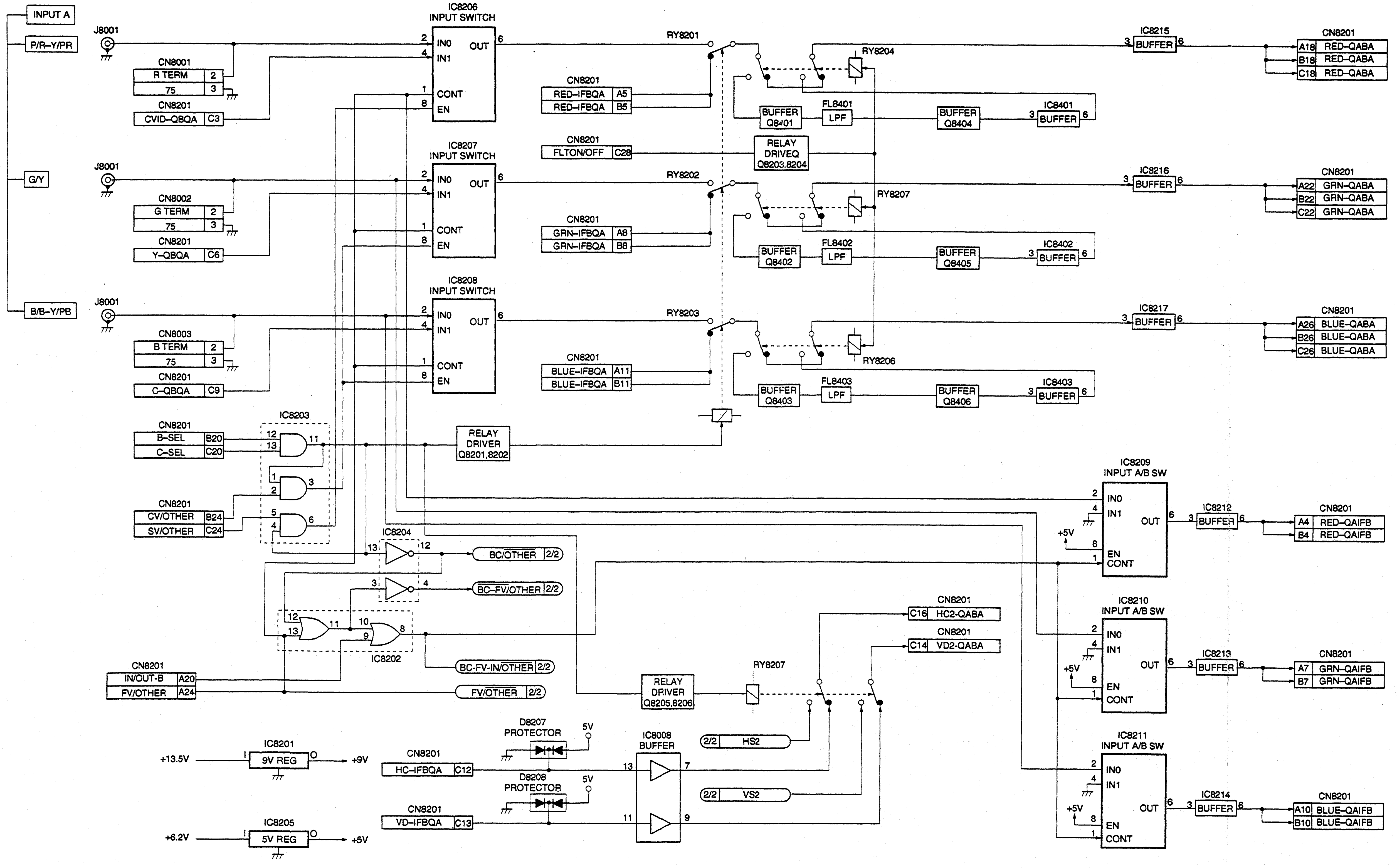
REF NO.	PART NO.	DESCRIPTION	REMARK
		ACCESSORY *********	
	* 1-506-622-11	CONNECTOR, PS 14P	
⚠	1-590-151-11	CORD SET, POWER (250V/100A) (X2000E/X2000M)	
⚠	1-775-981-11	CORD SET, POWER (125V/150A) (X2000U)	
	1-782-021-11	CORD, CONNECTION	
	1-785-523-11	TERMINATOR, D SUB 9P	
	3-865-344-11	OPERATING INSTRUCTIONS(X2000U/X2000E/X2000M) (ENGLISH/FRENCH/SPANISH)	
	3-865-344-21	OPERATING INSTRUCTIONS(X2000E) (GERMAN/ITALIAN)	
	3-865-344-31	OPERATING INSTRUCTIONS(X2000M) (CHINESE)	
	3-865-345-11	MANUAL, INSTALLATION(X2000U/X2000E/X2000M) (ENGLISH/FRENCH/SPANISH)	
	3-865-345-21	MANUAL, INSTALLATION(X2000E) (GERMAN/ITALIAN)	
	3-865-345-31	MANUAL, INSTALLATION(X2000M) (CHINESE)	
	4-068-063-02	SCREW, WASHER	
	4-068-100-01	WASHER (TF), LENS	
	4-068-130-01	RING (TF), LENS	
**			
		IFB-X2000E **********	
	3-865-115-11	MANUAL, INSTRUCTION	
**			
		PSS-2000 ********	
	3-865-453-01	INSTRUCTION MANUAL	
	4-056-753-01	SPACER	
	4-068-372-01	BOLT(M10X20), HEXAGON HEAD	
	7-623-215-22	WASHER(M10), LOCK SPRING	
	7-683-353-07	BOLT(M6X12), HEXAGON HEAD	
	7-683-380-07	BOLT(M8X20), HEXAGON	
	7-688-000-22	WASHER(M8), FLAT	
	7-688-000-23	WASHER(M10), PLAIN	
	7-688-006-12	WASHER(M6), PLAIN	
**			
		SU-PJ2000 *********	
	3-865-454-01	INSTALLATION MANUAL	
	4-068-378-01	WASHER(M10), PLAIN	
	4-068-379-01	SCREW(M10X20)	
	4-068-380-01	WASHER(M10), SPRING LOCK	
	4-068-381-01	SCREW(M5X12)	
	* 4-068-382-01	BRACKET, STACK	
	* 4-068-383-01	SHAFT, STACK	
**			

REF NO.	PART NO.	DESCRIPTION	REMARK

SECTION 8
BLOCK DIAGRAMS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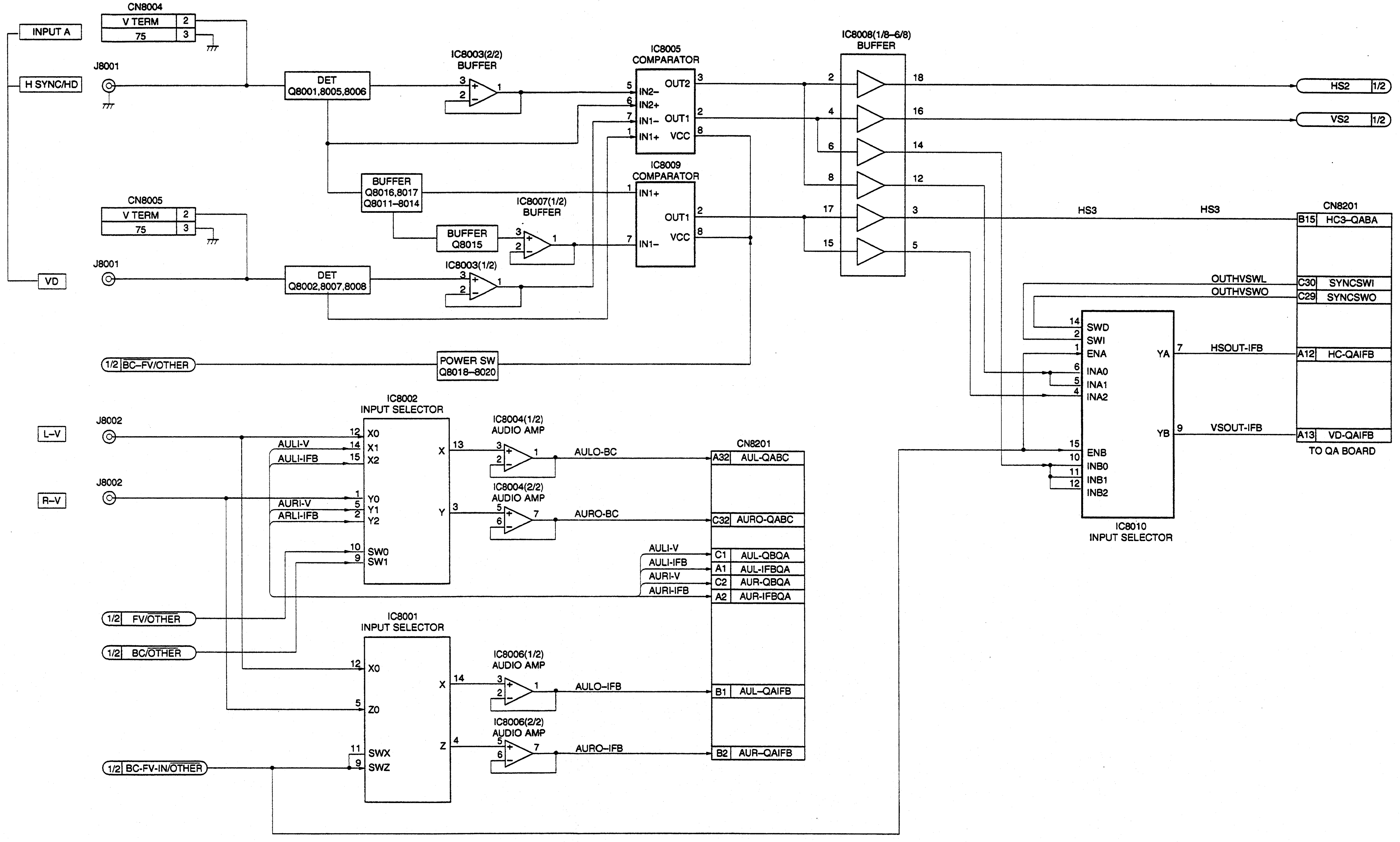
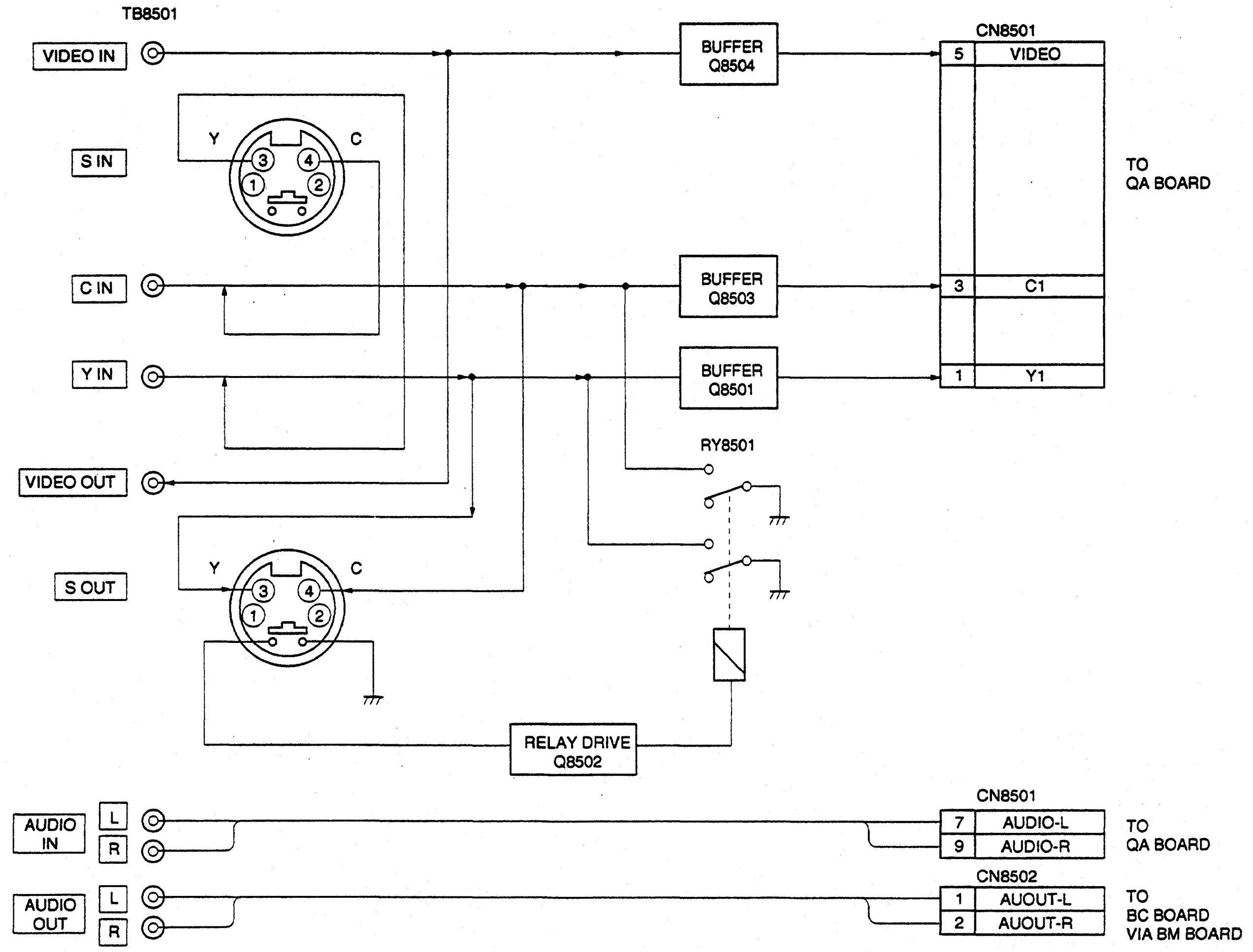
P/R-Y/PR
G/Y
B/B-Y/PB
J8001
CN8001
R TERM
75
CN8201
CVID-QBQA C3
CN8002
G TERM
CN8201
Y-QBQA C6
CN8003
B TERM
CN8201
C-QBQA C9
IC8206
INPUT SWITCH
IC8207
INPUT SWITCH
IC8208
INPUT SWITCH
IN0
IN1
OUT
CONT
EN
CN8201
RED-IFBQA A5
RED-IFBQA B5
CN8201
FLTON/OFF C28
CN8201
GRN-IFBQA A8
GRN-IFBQA B8
CN8201
BLUE-IFBQA A11
BLUE-IFBQA B11
RY8201
RY8202
RY8203
RY8204
RY8207
RY8206
RELAY
DRIVEQ
Q8203,8204
BUFFER Q8401
BUFFER Q8402
BUFFER Q8403
FL8401 LPF
FL8402 LPF
FL8403 LPF
BUFFER Q8404
BUFFER Q8405
BUFFER Q8406
IC8401 BUFFER
IC8402 BUFFER
IC8403 BUFFER
IC8215 BUFFER
IC8216 BUFFER
IC8217 BUFFER
CN8201
A18 RED-QABA
B18 RED-QABA
C18 RED-QABA
CN8201
A22 GRN-QABA
B22 GRN-QABA
C22 GRN-QABA
CN8201
A26 BLUE-QABA
B26 BLUE-QABA
C26 BLUE-QABA
IC8203
CN8201
B-SEL B20
C-SEL C20
CN8201
CV/OTHER B24
SV/OTHER C24
RELAY
DRIVER
Q8201,8202
IC8204
BC/OTHER 2/2
BC-FV/OTHER 2/2
IC8202
BC-FV-IN/OTHER 2/2
FV/OTHER 2/2
CN8201
IN/OUT-B A20
FV/OTHER A24
CN8201
C16 HC2-QABA
CN8201
C14 VD2-QABA
RY8207
RELAY
DRIVER
Q8205,8206
IC8209
INPUT A/B SW
IC8210
INPUT A/B SW
IC8211
INPUT A/B SW
+5V
IC8212 BUFFER
IC8213 BUFFER
IC8214 BUFFER
CN8201
A4 RED-QAIFB
B4 RED-QAIFB
CN8201
A7 GRN-QAIFB
B7 GRN-QAIFB
CN8201
A10 BLUE-QAIFB
B10 BLUE-QAIFB
IC8201
+13.5V
9V REG
+9V
IC8205
+6.2V
5V REG
+5V
CN8201
HC-IFBQA C12
CN8201
VD-IFBQA C13
D8207
PROTECTOR
D8208
PROTECTOR
5V
IC8008
BUFFER
2/2 HS2
2/2 VS2

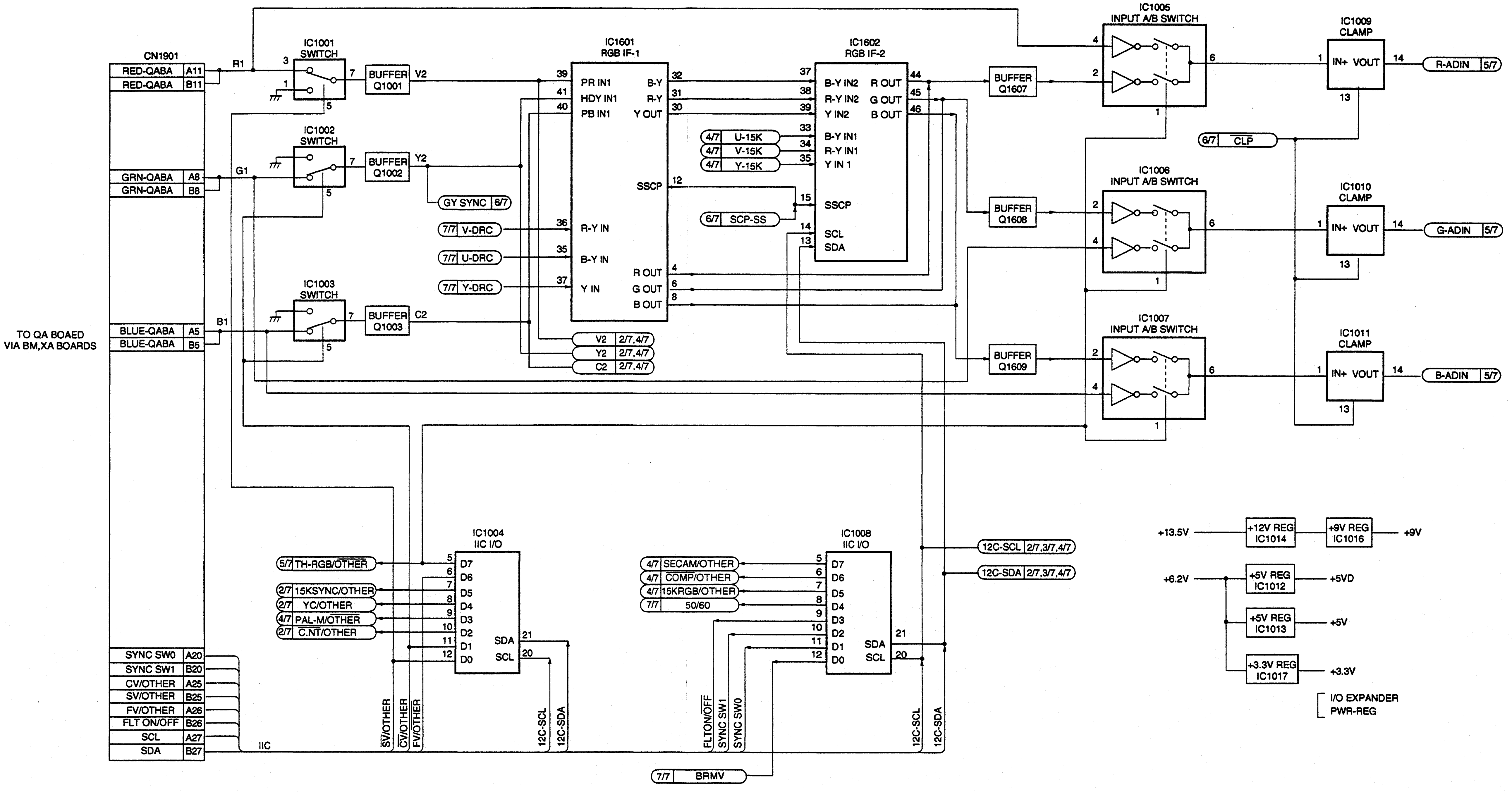
QA BLOCK (1/2)


CN8004
V TERM
75
2
3
INPUT A
H SYNC/HD
J8001
DET
Q8001,8005,8006
IC8003(2/2)
BUFFER
IC8005
COMPARATOR
IN2−
IN2+
IN1−
IN1+
OUT2
OUT1
VCC
IC8009
COMPARATOR
IN1+
IN1−
OUT1
VCC
BUFFER
Q8016,8017
Q8011–8014
IC8007(1/2)
BUFFER
BUFFER
Q8015
CN8005
V TERM
75
J8001
VD
DET
Q8002,8007,8008
IC8003(1/2)
IC8008(1/8–6/8)
BUFFER
HS2 1/2
VS2 1/2
HS3
HS3
CN8201
B15 HC3–QABA
OUTHVSWL
OUTHVSWO
C30 SYNCSWI
C29 SYNCSWO
SWD
SWI
ENA
INA0
INA1
INA2
YA
HSOUT-IFB
A12 HC-QAIFB
YB
VSOUT-IFB
A13 VD-QAIFB
TO QA BOARD
ENB
INB0
INB1
INB2
IC8010
INPUT SELECTOR
1/2 BC–FV/OTHER
POWER SW
Q8018–8020
IC8002
INPUT SELECTOR
L-V
J8002
R-V
J8002
X0
X1
X2
Y0
Y1
Y2
SW0
SW1
X
Y
AULI-V
AULI-IFB
AURI-V
ARLI-IFB
IC8004(1/2)
AUDIO AMP
IC8004(2/2)
AUDIO AMP
AULO-BC
AURO-BC
CN8201
A32 AUL-QABC
C32 AURO-QABC
AULI-V
AULI-IFB
AURI-V
AURI-IFB
C1 AUL-QBQA
A1 AUL-IFBQA
C2 AUR-QBQA
A2 AUR-IFBQA
1/2 FV/OTHER
1/2 BC/OTHER
IC8001
INPUT SELECTOR
X0
Z0
SWX
SWZ
X
Z
IC8006(1/2)
AUDIO AMP
IC8006(2/2)
AUDIO AMP
AULO–IFB
AURO–IFB
B1 AUL–QAIFB
B2 AUR–QAIFB
1/2 BC-FV-IN/OTHER

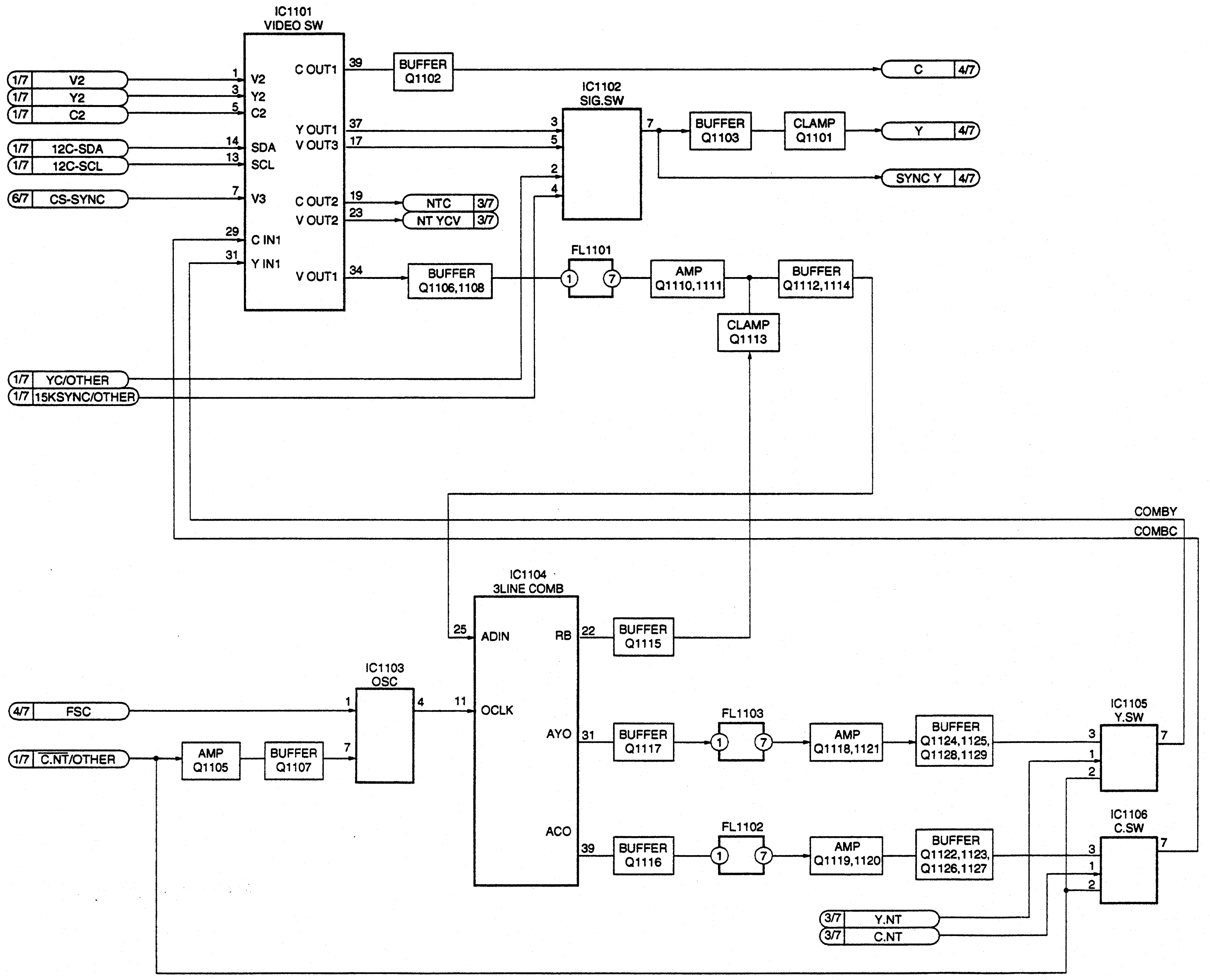
QA BLOCK (2/2)


TB8501
VIDEO IN
S IN
Y
C
C IN
Y IN
VIDEO OUT
S OUT
BUFFER
Q8504
BUFFER
Q8503
BUFFER
Q8501
RY8501
RELAY DRIVE
Q8502
CN8501
5 VIDEO
3 C1
1 Y1
TO
QA BOARD
AUDIO IN
L
R
AUDIO OUT
CN8501
7 AUDIO-L
9 AUDIO-R
TO
QA BOARD
CN8502
1 AUOUT-L
2 AUOUT-R
TO
BC BOARD
VIA BM BOARD

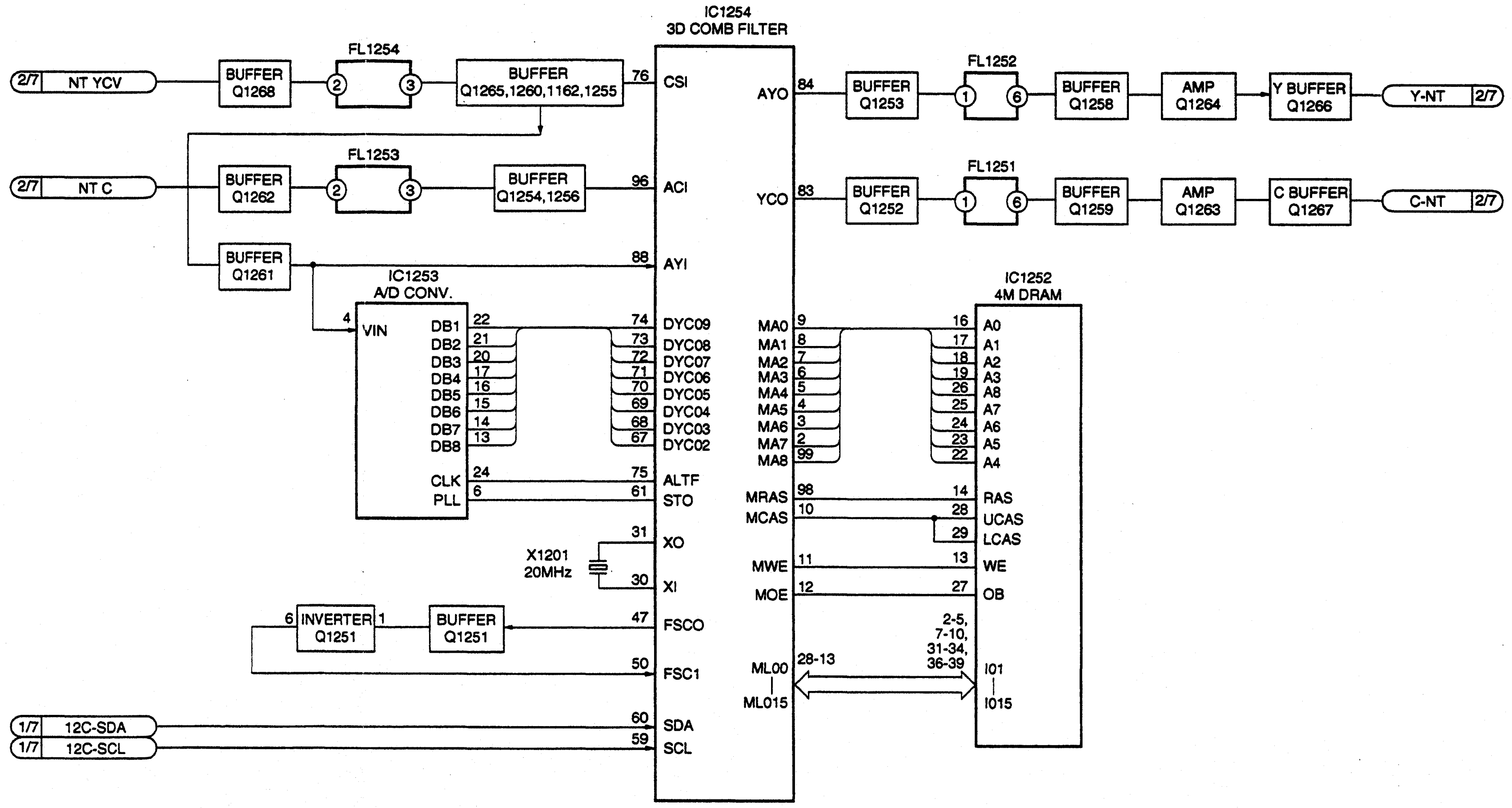
QB BLOCK


CN1901
RED-QABA A11
RED-QABA B11
GRN-QABA A8
GRN-QABA B8
BLUE-QABA A5
BLUE-QABA B5
TO QA BOAED VIA BM,XA BOARDS
SYNC SW0 A20
SYNC SW1 B20
CV/OTHER A25
SV/OTHER B25
FV/OTHER A26
FLT ON/OFF B26
SCL A27
SDA B27
IIC
R1
G1
B1
IC1001 SWITCH
IC1002 SWITCH
IC1003 SWITCH
BUFFER Q1001
BUFFER Q1002
BUFFER Q1003
V2
Y2
C2
GY SYNC 6/7
IC1601 RGB IF-1
PR IN1
HDY IN1
PB IN1
B-Y
R-Y
Y OUT
SSCP
R-Y IN
B-Y IN
Y IN
R OUT
G OUT
B OUT
7/7 V-DRC
7/7 U-DRC
7/7 Y-DRC
V2 2/7,4/7
Y2 2/7,4/7
C2 2/7,4/7
IC1602 RGB IF-2
B-Y IN2
R-Y IN2
Y IN2
B-Y IN1
R-Y IN1
Y IN 1
SSCP
SCL
SDA
R OUT
G OUT
B OUT
4/7 U-15K
4/7 V-15K
4/7 Y-15K
6/7 SCP-SS
BUFFER Q1607
BUFFER Q1608
BUFFER Q1609
IC1005 INPUT A/B SWITCH
IC1006 INPUT A/B SWITCH
IC1007 INPUT A/B SWITCH
6/7 CLP
IC1009 CLAMP
IC1010 CLAMP
IC1011 CLAMP
IN+ VOUT
R-ADIN 5/7
G-ADIN 5/7
B-ADIN 5/7
IC1004 IIC I/O
D7
D6
D5
D4
D3
D2
D1
D0
SDA
SCL
5/7 TH-RGB/OTHER
2/7 15KSYNC/OTHER
2/7 YC/OTHER
4/7 PAL-M/OTHER
2/7 C.NT/OTHER
SV/OTHER
CV/OTHER
FV/OTHER
12C-SCL
12C-SDA
IC1008 IIC I/O
4/7 SECAM/OTHER
4/7 COMP/OTHER
4/7 15KRGB/OTHER
7/7 50/60
FLTON/OFF
SYNC SW1
SYNC SW0
7/7 BRMV
12C-SCL 2/7,3/7,4/7
12C-SDA 2/7,3/7,4/7
+13.5V
+12V REG IC1014
+9V REG IC1016
+9V
+6.2V
+5V REG IC1012
+5VD
+5V REG IC1013
+5V
+3.3V REG IC1017
+3.3V
I/O EXPANDER
PWR-REG

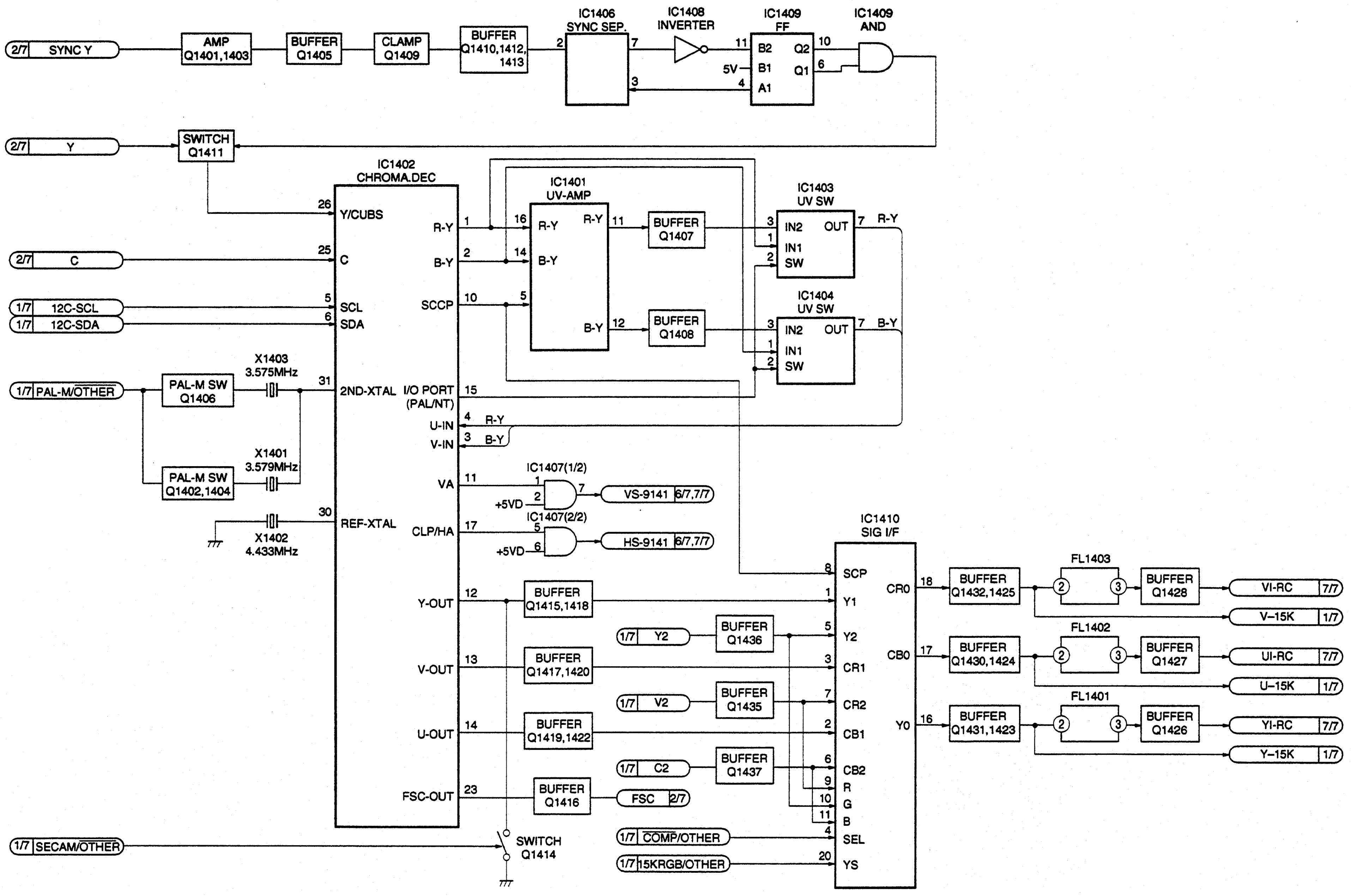
BA BLOCK (1/7)


IC1101
VIDEO SW
1/7 V2
1/7 Y2
1/7 C2
1/7 12C-SDA
1/7 12C-SCL
6/7 CS-SYNC
1 V2
3 Y2
5 C2
14 SDA
13 SCL
7 V3
29 C IN1
31 Y IN1
C OUT1 39
Y OUT1 37
V OUT3 17
C OUT2 19
V OUT2 23
V OUT1 34
BUFFER Q1102
C 4/7
IC1102
SIG.SW
3
5
2
4
7
BUFFER Q1103
CLAMP Q1101
Y 4/7
SYNC Y 4/7
NTC 3/7
NT YCV 3/7
BUFFER Q1106,1108
FL1101
1
7
AMP Q1110,1111
BUFFER Q1112,1114
CLAMP Q1113
1/7 YC/OTHER
1/7 15KSYNC/OTHER
COMBY
COMBC
IC1104
3LINE COMB
25 ADIN
RB 22
11 OCLK
AYO 31
ACO 39
BUFFER Q1115
IC1103
OSC
1
4
7
4/7 FSC
1/7 C.NT/OTHER
AMP Q1105
BUFFER Q1107
BUFFER Q1117
FL1103
AMP Q1118,1121
BUFFER Q1124,1125, Q1128,1129
IC1105
Y.SW
3
1
2
7
BUFFER Q1116
FL1102
AMP Q1119,1120
BUFFER Q1122,1123, Q1126,1127
IC1106
C.SW
3
1
2
7
3/7 Y.NT
3/7 C.NT

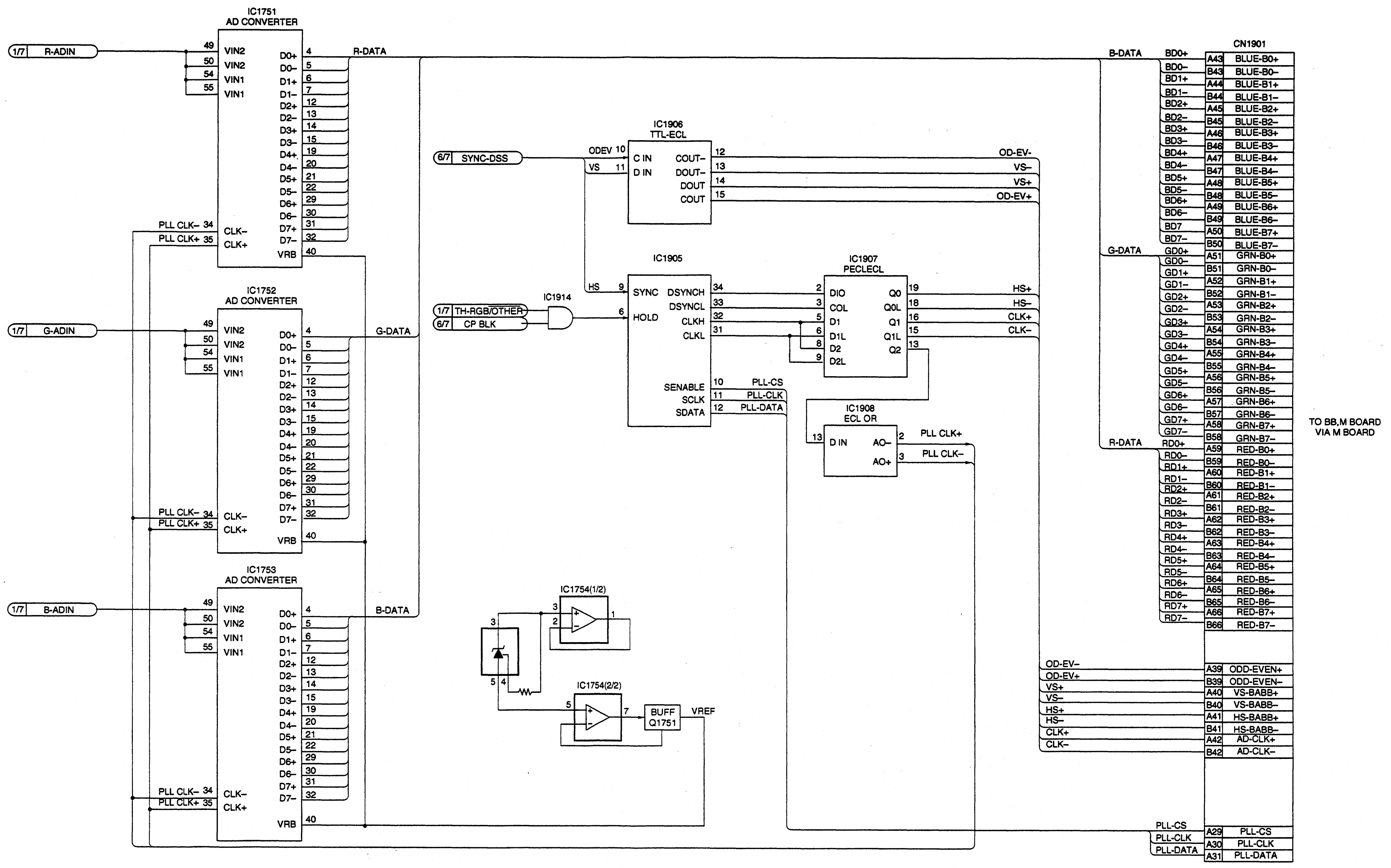
BA BLOCK (2/7)


IC1254
3D COMB FILTER
2/7 NT YCV
BUFFER Q1268
FL1254
BUFFER Q1265,1260,1162,1255
CSI
2/7 NT C
BUFFER Q1262
FL1253
BUFFER Q1254,1256
ACI
BUFFER Q1261
AYI
IC1253
A/D CONV.
VIN
DB1
DB2
DB3
DB4
DB5
DB6
DB7
DB8
CLK
PLL
DYC09
DYC08
DYC07
DYC06
DYC05
DYC04
DYC03
DYC02
ALTF
STO
XO
XI
X1201
20MHz
INVERTER Q1251
BUFFER Q1251
FSCO
FSC1
1/7 12C-SDA
1/7 12C-SCL
SDA
SCL
AYO
YCO
BUFFER Q1253
FL1252
BUFFER Q1258
AMP Q1264
Y BUFFER Q1266
Y-NT 2/7
BUFFER Q1252
FL1251
BUFFER Q1259
AMP Q1263
C BUFFER Q1267
C-NT 2/7
IC1252
4M DRAM
MA0
MA1
MA2
MA3
MA4
MA5
MA6
MA7
MA8
MRAS
MCAS
MWE
MOE
ML00
ML015
A0
A1
A2
A3
A8
A7
A6
A5
A4
RAS
UCAS
LCAS
WE
OB
I01
I015
2-5,
7-10,
31-34,
36-39
28-13

BA BLOCK (3/7)


2/7 SYNC Y
AMP Q1401,1403
BUFFER Q1405
CLAMP Q1409
BUFFER Q1410,1412, 1413
IC1406 SYNC SEP.
IC1408 INVERTER
IC1409 FF
B2 Q2 B1 Q1 A1
5V
IC1409 AND
2/7 Y
SWITCH Q1411
IC1402 CHROMA DEC
Y/CUBS
R-Y
B-Y
C
SCCP
SCL
SDA
2ND-XTAL
I/O PORT (PAL/NT)
U-IN
V-IN
VA
REF-XTAL
CLP/HA
Y-OUT
V-OUT
U-OUT
FSC-OUT
2/7 C
1/7 12C-SCL
1/7 12C-SDA
1/7 PAL-M/OTHER
PAL-M SW Q1406
PAL-M SW Q1402,1404
X1403 3.575MHz
X1401 3.579MHz
X1402 4.433MHz
IC1401 UV-AMP
BUFFER Q1407
BUFFER Q1408
IC1403 UV SW
IC1404 UV SW
IN2 OUT IN1 SW
R-Y
B-Y
IC1407(1/2)
IC1407(2/2)
+5VD
VS-9141 6/7,7/7
HS-9141 6/7,7/7
BUFFER Q1415,1418
BUFFER Q1417,1420
BUFFER Q1419,1422
BUFFER Q1416
FSC 2/7
1/7 Y2
1/7 V2
1/7 C2
BUFFER Q1436
BUFFER Q1435
BUFFER Q1437
1/7 COMP/OTHER
1/7 15KRGB/OTHER
1/7 SECAM/OTHER
SWITCH Q1414
IC1410 SIG I/F
SCP Y1 Y2 CR1 CR2 CB1 CB2 R G B SEL YS
CR0 CB0 Y0
BUFFER Q1432,1425
BUFFER Q1430,1424
BUFFER Q1431,1423
FL1403
FL1402
FL1401
BUFFER Q1428
BUFFER Q1427
BUFFER Q1426
VI-RC 7/7
V-15K 1/7
UI-RC 7/7
U-15K 1/7
YI-RC 7/7
Y-15K 1/7

BA BLOCK (4/7)


IC1751
AD CONVERTER
IC1752
AD CONVERTER
IC1753
AD CONVERTER
1/7 R-ADIN
1/7 G-ADIN
1/7 B-ADIN
VIN2
VIN1
D0+
D0–
D1+
D1–
D2+
D2–
D3+
D3–
D4+
D4–
D5+
D5–
D6+
D6–
D7+
D7–
VRB
CLK–
CLK+
PLL CLK– 34
PLL CLK+ 35
R-DATA
G-DATA
B-DATA
IC1906
TTL-ECL
6/7 SYNC-DSS
ODEV 10
VS 11
C IN
D IN
COUT–
DOUT–
DOUT
COUT
OD-EV-
VS–
VS+
OD-EV+
IC1905
HS
SYNC
HOLD
DSYNCH
DSYNCL
CLKH
CLKL
SENABLE
SCLK
SDATA
PLL-CS
PLL-CLK
PLL-DATA
IC1914
1/7 TH-RGB/OTHER
6/7 CP BLK
IC1907
PECLECL
DIO
COL
D1
D1L
D2
D2L
Q0
Q0L
Q1
Q1L
Q2
HS+
HS–
CLK+
CLK–
IC1908
ECL OR
D IN
AO–
AO+
PLL CLK+
PLL CLK–
IC1754(1/2)
IC1754(2/2)
BUFF
Q1751
VREF
CN1901
BD0+ A43 BLUE-B0+
BD0– B43 BLUE-B0–
BD1+ A44 BLUE-B1+
BD1– B44 BLUE-B1–
BD2+ A45 BLUE-B2+
BD2– B45 BLUE-B2–
BD3+ A46 BLUE-B3+
BD3– B46 BLUE-B3–
BD4+ A47 BLUE-B4+
BD4– B47 BLUE-B4–
BD5+ A48 BLUE-B5+
BD5– B48 BLUE-B5–
BD6+ A49 BLUE-B6+
BD6– B49 BLUE-B6–
BD7 A50 BLUE-B7+
BD7– B50 BLUE-B7–
GD0+ A51 GRN-B0+
GD0– B51 GRN-B0–
GD1+ A52 GRN-B1+
GD1– B52 GRN-B1–
GD2+ A53 GRN-B2+
GD2– B53 GRN-B2–
GD3+ A54 GRN-B3+
GD3– B54 GRN-B3–
GD4+ A55 GRN-B4+
GD4– B55 GRN-B4–
GD5+ A56 GRN-B5+
GD5– B56 GRN-B5–
GD6+ A57 GRN-B6+
GD6– B57 GRN-B6–
GD7+ A58 GRN-B7+
GD7– B58 GRN-B7–
RD0+ A59 RED-B0+
RD0– B59 RED-B0–
RD1+ A60 RED-B1+
RD1– B60 RED-B1–
RD2+ A61 RED-B2+
RD2– B61 RED-B2–
RD3+ A62 RED-B3+
RD3– B62 RED-B3–
RD4+ A63 RED-B4+
RD4– B63 RED-B4–
RD5+ A64 RED-B5+
RD5– B64 RED-B5–
RD6+ A65 RED-B6+
RD6– B65 RED-B6–
RD7+ A66 RED-B7+
RD7– B66 RED-B7–
OD-EV– A39 ODD-EVEN+
OD-EV+ B39 ODD-EVEN–
VS+ A40 VS-BABB+
VS– B40 VS-BABB–
HS+ A41 HS-BABB+
HS– B41 HS-BABB–
CLK+ A42 AD-CLK+
CLK– B42 AD-CLK–
PLL-CS A29 PLL-CS
PLL-CLK A30 PLL-CLK
PLL-DATA A31 PLL-DATA
TO BB,M BOARD
VIA M BOARD
1
2
3
4
5
A
B
C
D
E
F
G
H

BA BLOCK (5/7)

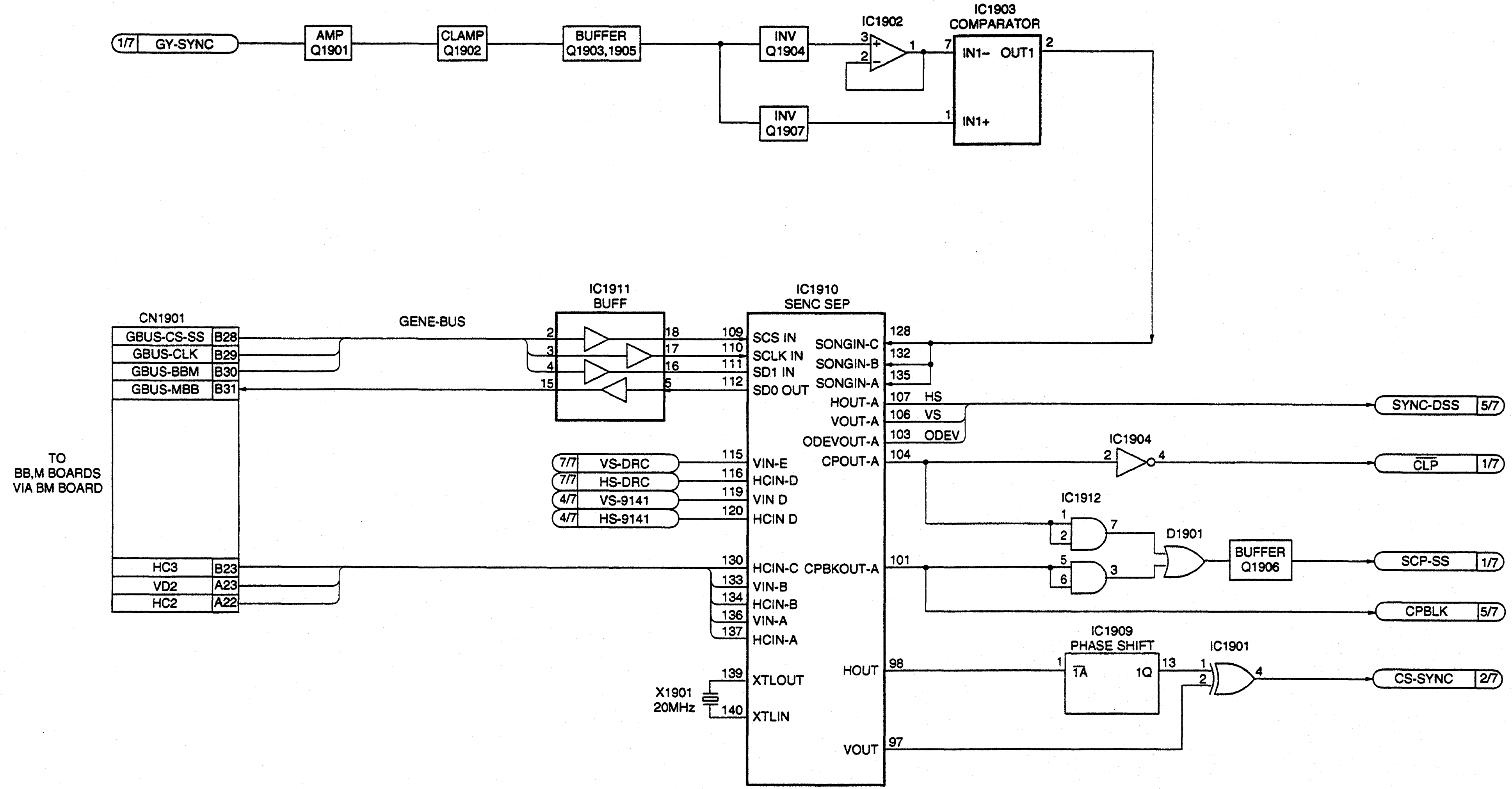
1

2

3

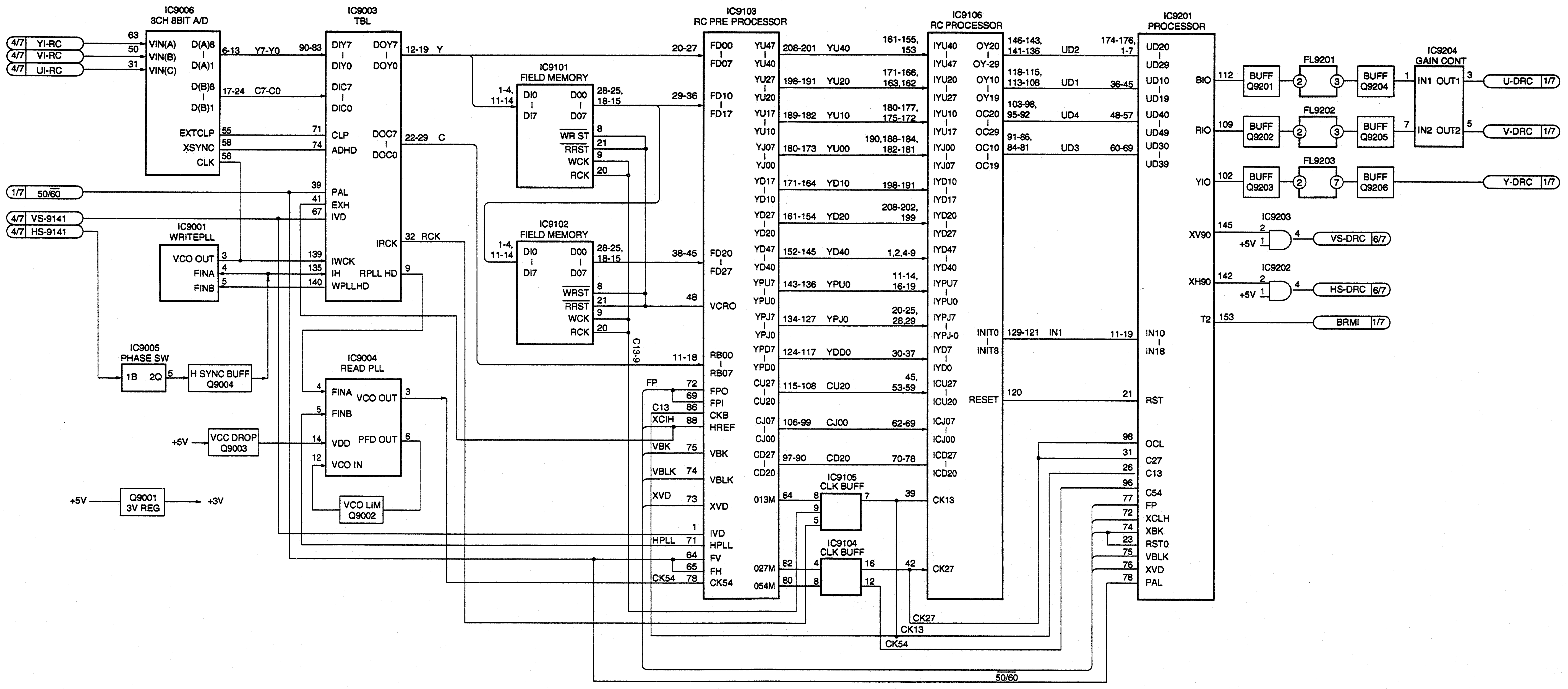
4

5

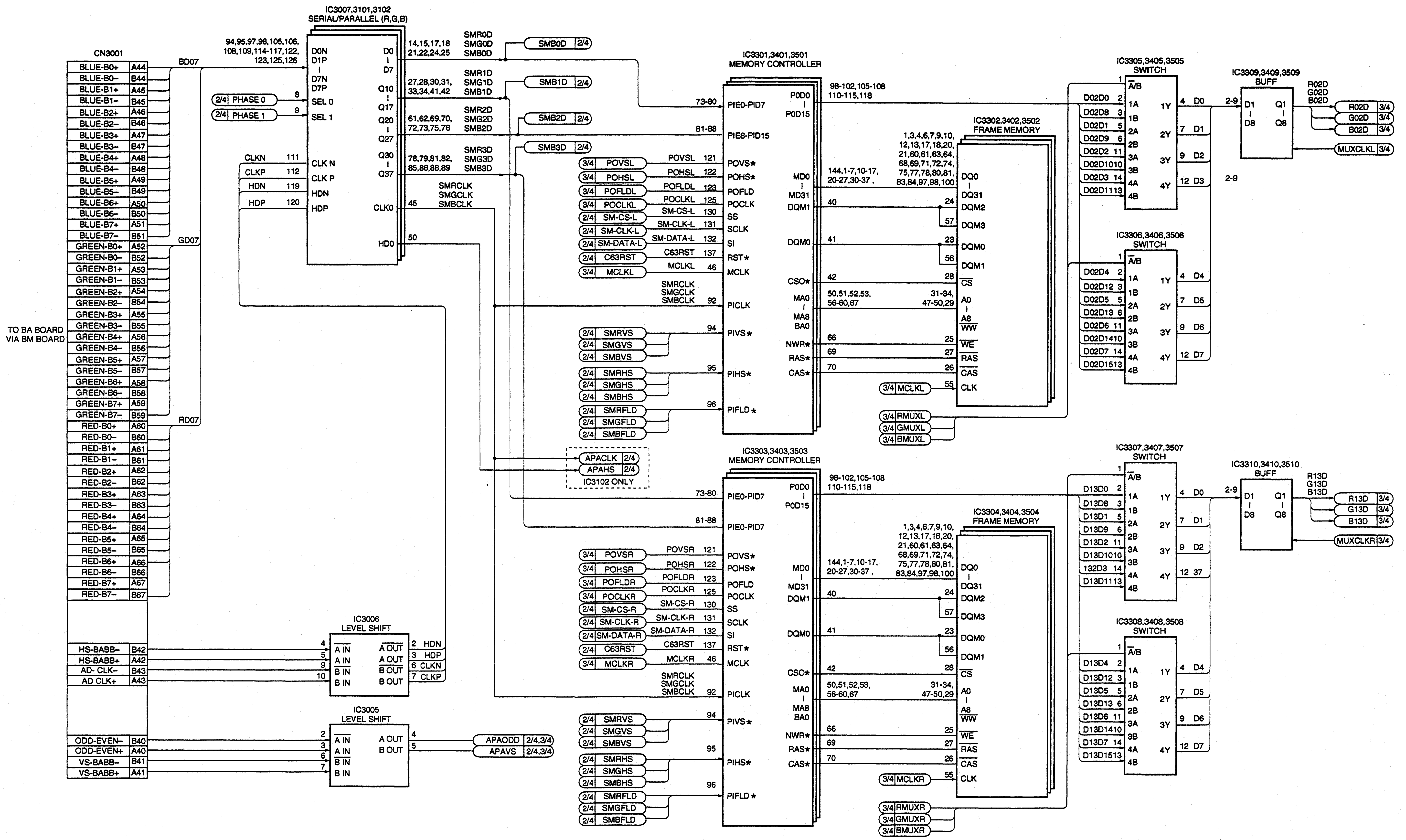

1/7
GY-SYNC
AMP
Q1901
CLAMP
Q1902
BUFFER
Q1903,1905
INV
Q1904
INV
Q1907
IC1902
3
2
1
IC1903
COMPARATOR
7
IN1–
OUT1
2
1
IN1+
CN1901
GBUS-CS-SS
B28
GBUS-CLK
B29
GBUS-BBM
B30
GBUS-MBB
B31
GENE-BUS
TO
BB,M BOARDS
VIA BM BOARD
HC3
B23
VD2
A23
HC2
A22
IC1911
BUFF
2
3
4
15
18
17
16
5
IC1910
SENC SEP
109
110
111
112
SCS IN
SCLK IN
SD1 IN
SD0 OUT
SONGIN-C
SONGIN-B
SONGIN-A
HOUT-A
VOUT-A
ODEVOUT-A
CPOUT-A
128
132
135
107
106
103
104
HS
VS
ODEV
7/7
VS-DRC
7/7
HS-DRC
4/7
VS-9141
4/7
HS-9141
115
116
119
120
VIN-E
HCIN-D
VIN D
HCIN D
130
133
134
136
137
HCIN-C
VIN-B
HCIN-B
VIN-A
HCIN-A
CPBKOUT-A
101
139
140
X1901
20MHz
XTLOUT
XTLIN
HOUT
98
VOUT
97
SYNC-DSS
5/7
IC1904
2
4
CLP
1/7
IC1912
1
2
7
5
6
3
D1901
BUFFER
Q1906
SCP-SS
1/7
CPBLK
5/7
IC1909
PHASE SHIFT
1
1A
1Q
13
IC1901
1
2
4
CS-SYNC
2/7

BA BLOCK (6/7)

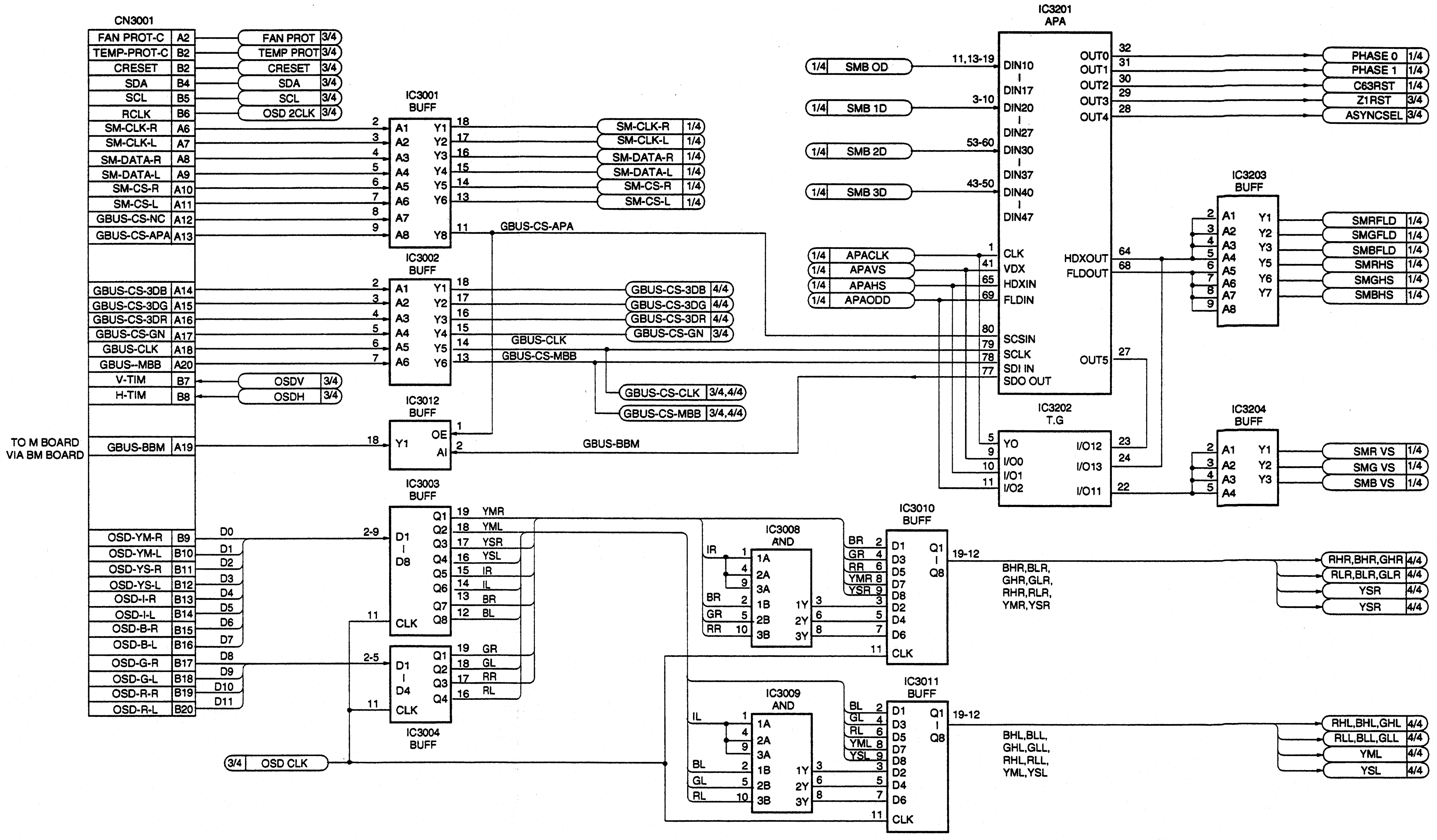
A | B | C | D | E | F | G | H


IC9006
3CH 8BIT A/D
VIN(A)
VIN(B)
VIN(C)
D(A)8
D(A)1
D(B)8
D(B)1
EXTCLP
XSYNC
CLK
4/7 YI-RC
4/7 VI-RC
4/7 UI-RC
1/7 50/60
4/7 VS-9141
4/7 HS-9141
Y7-Y0
C7-C0
IC9003
TBL
DIY7
DIY0
DIC7
DIC0
DOY7
DOY0
DOC7
DOC0
CLP
ADHD
PAL
EXH
IVD
IRCK
IWCK
IH
RPLL HD
WPLLHD
12-19 Y
22-29 C
32 RCK
IC9001
WRITEPLL
VCO OUT
FINA
FINB
IC9005
PHASE SW
1B
2Q
H SYNC BUFF
Q9004
IC9004
READ PLL
FINA
FINB
VDD
VCO IN
VCO OUT
PFD OUT
VCC DROP
Q9003
VCO LIM
Q9002
+5V
Q9001
3V REG
+3V
IC9101
FIELD MEMORY
IC9102
FIELD MEMORY
DI0
DI7
DO0
DO7
WR ST
RRST
WCK
RCK
WRST
C13-9
IC9103
RC PRE PROCESSOR
FD00
FD07
FD10
FD17
FD20
FD27
VCRO
RB00
RB07
FPO
FPI
CKB
HREF
VBK
VBLK
XVD
IVD
HPLL
FV
FH
CK54
YU47
YU40
YU27
YU20
YU17
YU10
YJ07
YJ00
YD17
YD10
YD27
YD20
YD47
YD40
YPU7
YPU0
YPJ7
YPJ0
YPD7
YPD0
CU27
CU20
CJ07
CJ00
CD27
CD20
013M
027M
054M
FP
C13
XCIH
IC9105
CLK BUFF
IC9104
CLK BUFF
CK27
CK13
CK54
50/60
IC9106
RC PROCESSOR
IYU40
IYU47
IYU20
IYU27
IYU10
IYU17
IYJ00
IYJ07
IYD10
IYD17
IYD20
IYD27
IYD47
IYD40
IYPU7
IYPU0
IYPJ7
IYPJ-0
IYD7
IYD0
ICU27
ICU20
ICJ07
ICJ00
ICD27
ICD20
CK13
CK27
OY20
OY29
OY10
OY19
OC20
OC29
OC10
OC19
INIT0
INIT8
RESET
UD2
UD1
UD4
UD3
IN1
IC9201
PROCESSOR
UD20
UD29
UD10
UD19
UD40
UD49
UD30
UD39
IN10
IN18
RST
OCL
C27
C13
C54
FP
XCLH
XBK
RST0
VBLK
XVD
PAL
BIO
RIO
YIO
XV90
XH90
T2
BUFF Q9201
BUFF Q9202
BUFF Q9203
FL9201
FL9202
FL9203
BUFF Q9204
BUFF Q9205
BUFF Q9206
IC9204
GAIN CONT
IN1 OUT1
IN2 OUT2
U-DRC 1/7
V-DRC 1/7
Y-DRC 1/7
IC9203
IC9202
+5V
VS-DRC 6/7
HS-DRC 6/7
BRMI 1/7

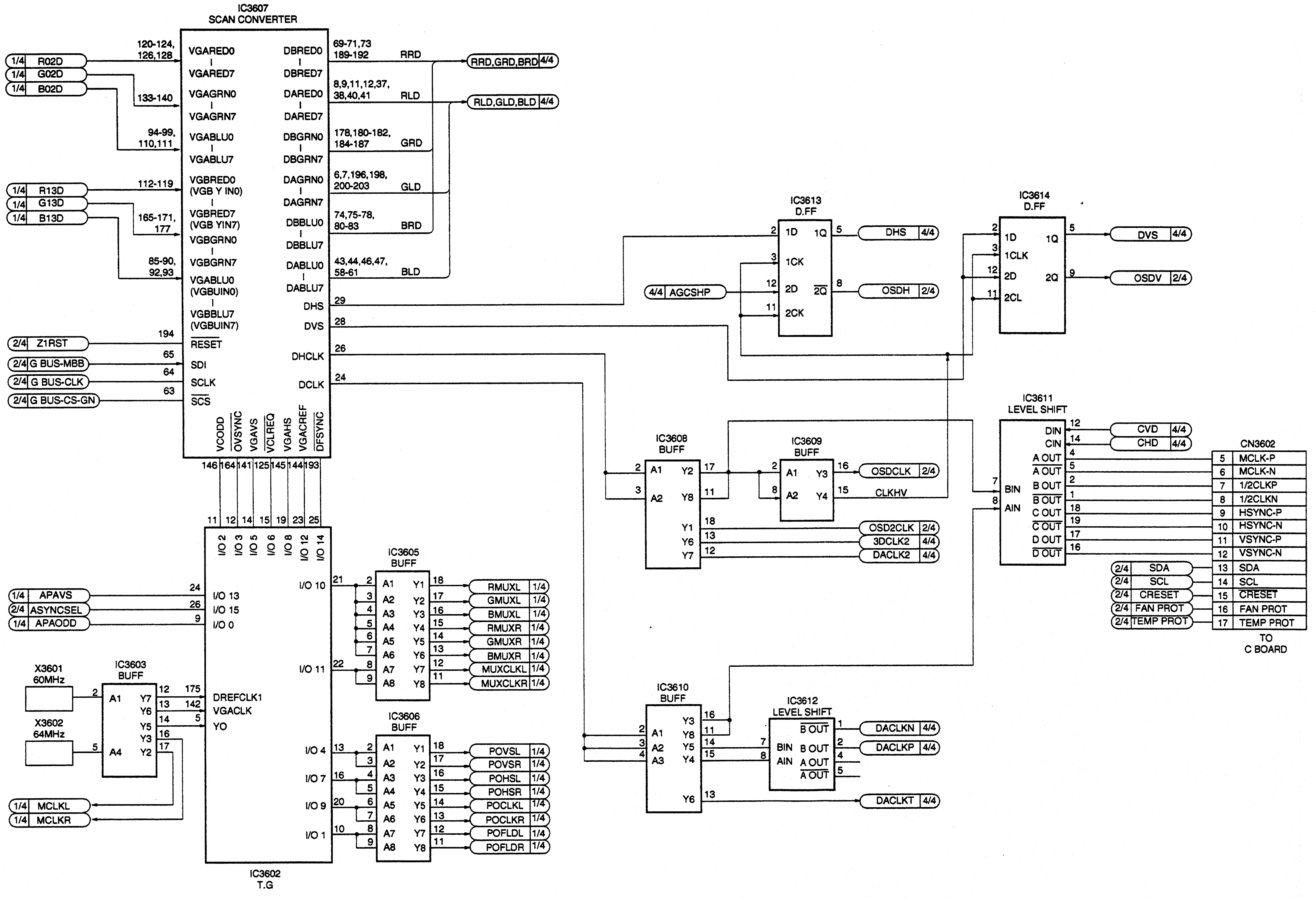
BA BLOCK (7/7)


CN3001
TO BA BOARD VIA BM BOARD
BLUE-B0+ A44
BLUE-B0– B44
BLUE-B1+ A45
BLUE-B1– B45
BLUE-B2+ A46
BLUE-B2– B46
BLUE-B3+ A47
BLUE-B3– B47
BLUE-B4+ A48
BLUE-B4– B48
BLUE-B5+ A49
BLUE-B5– B49
BLUE-B6+ A50
BLUE-B6– B50
BLUE-B7+ A51
BLUE-B7– B51
GREEN-B0+ A52
GREEN-B0– B52
GREEN-B1+ A53
GREEN-B1– B53
GREEN-B2+ A54
GREEN-B2– B54
GREEN-B3+ A55
GREEN-B3– B55
GREEN-B4+ A56
GREEN-B4– B56
GREEN-B5+ A57
GREEN-B5– B57
GREEN-B6+ A58
GREEN-B6– B58
GREEN-B7+ A59
GREEN-B7– B59
RED-B0+ A60
RED-B0– B60
RED-B1+ A61
RED-B1– B61
RED-B2+ A62
RED-B2– B62
RED-B3+ A63
RED-B3– B63
RED-B4+ A64
RED-B4– B64
RED-B5+ A65
RED-B5– B65
RED-B6+ A66
RED-B6– B66
RED-B7+ A67
RED-B7– B67
HS-BABB– B42
HS-BABB+ A42
AD- CLK– B43
AD CLK+ A43
ODD-EVEN– B40
ODD-EVEN+ A40
VS-BABB– B41
VS-BABB+ A41
BD07
GD07
RD07
IC3007,3101,3102
SERIAL/PARALLEL (R,G,B)
94,95,97,98,105,106,
108,109,114-117,122,
123,125,126
D0N
D1P
D7N
D7P
SEL 0
SEL 1
CLK N
CLK P
HDN
HDP
D0
D7
Q10
Q17
Q20
Q27
Q30
Q37
CLK0
HD0
2/4 PHASE 0
2/4 PHASE 1
CLKN 111
CLKP 112
HDN 119
HDP 120
14,15,17,18
21,22,24,25
27,28,30,31,
33,34,41,42
61,62,69,70,
72,73,75,76
78,79,81,82,
85,86,88,89
SMR0D
SMG0D
SMB0D
SMR1D
SMG1D
SMB1D
SMR2D
SMG2D
SMB2D
SMR3D
SMG3D
SMB3D
SMRCLK
SMGCLK
SMBCLK
45
50
SMB0D 2/4
SMB1D 2/4
SMB2D 2/4
SMB3D 2/4
IC3301,3401,3501
MEMORY CONTROLLER
73-80 PIE0-PID7
81-88 PIE8-PID15
3/4 POVSL 121 POVS*
3/4 POHSL 122 POHS*
3/4 POFLDL 123 POFLD
3/4 POCLKL 125 POCLK
2/4 SM-CS-L 130 SS
2/4 SM-CLK-L 131 SCLK
2/4 SM-DATA-L 132 SI
2/4 C63RST 137 RST*
3/4 MCLKL 46 MCLK
SMRCLK SMGCLK SMBCLK 92 PICLK
2/4 SMRVS
2/4 SMGVS
2/4 SMBVS
94 PIVS*
2/4 SMRHS
2/4 SMGHS
2/4 SMBHS
95 PIHS*
2/4 SMRFLD
2/4 SMGFLD
2/4 SMBFLD
96 PIFLD*
P0D0
P0D15
MD0
MD31
DQM1
DQM0
CS0*
MA0
MA8
BA0
NWR*
RAS*
CAS*
98-102,105-108
110-115,118
144,1-7,10-17,
20-27,30-37,
40 24
57
41 23
56
42 28
50,51,52,53,
56-60,67
31-34,
47-50,29
66 25
69 27
70 26
IC3302,3402,3502
FRAME MEMORY
1,3,4,6,7,9,10,
12,13,17,18,20,
21,60,61,63,64,
68,69,71,72,74,
75,77,78,80,81,
83,84,97,98,100
DQ0
DQ31
DQM2
DQM3
DQM0
DQM1
CS
A0
A8
WW
WE
RAS
CAS
CLK
3/4 MCLKL 55
3/4 RMUXL
3/4 GMUXL
3/4 BMUXL
APACLK 2/4
APAHS 2/4
IC3102 ONLY
IC3303,3403,3503
MEMORY CONTROLLER
73-80 PIE0-PID7
81-88 PIE0-PID7
3/4 POVSR 121 POVS*
3/4 POHSR 122 POHS*
3/4 POFLDR 123 POFLD
3/4 POCLKR 125 POCLK
2/4 SM-CS-R 130 SS
2/4 SM-CLK-R 131 SCLK
2/4 SM-DATA-R 132 SI
2/4 C63RST 137 RST*
3/4 MCLKR 46 MCLK
IC3304,3404,3504
FRAME MEMORY
3/4 MCLKR 55
3/4 RMUXR
3/4 GMUXR
3/4 BMUXR
IC3006
LEVEL SHIFT
A IN
A IN
B IN
B IN
A OUT
A OUT
B OUT
B OUT
2 HDN
3 HDP
6 CLKN
7 CLKP
IC3005
LEVEL SHIFT
A OUT
B OUT
APAODD 2/4,3/4
APAVS 2/4,3/4
IC3305,3405,3505
SWITCH
A/B
1A 1B 2A 2B 3A 3B 4A 4B
1Y 2Y 3Y 4Y
D02D0 2
D02D8 3
D02D1 5
D02D9 6
D02D2 11
D02D10 10
D02D3 14
D02D11 13
4 D0
7 D1
9 D2
12 D3
IC3306,3406,3506
SWITCH
D02D4 2
D02D12 3
D02D5 5
D02D13 6
D02D6 11
D02D14 10
D02D7 14
D02D15 13
4 D4
7 D5
9 D6
12 D7
IC3309,3409,3509
BUFF
2-9
D1 D8
Q1 Q8
R02D
G02D
B02D
R02D 3/4
G02D 3/4
B02D 3/4
MUXCLKL 3/4
IC3307,3407,3507
SWITCH
D13D0 2
D13D8 3
D13D1 5
D13D9 6
D13D2 11
D13D10 10
132D3 14
D13D11 13
4 D0
7 D1
9 D2
12 37
IC3308,3408,3508
SWITCH
D13D4 2
D13D12 3
D13D5 5
D13D13 6
D13D6 11
D13D14 10
D13D7 14
D13D15 13
4 D4
7 D5
9 D6
12 D7
IC3310,3410,3510
BUFF
R13D
G13D
B13D
R13D 3/4
G13D 3/4
B13D 3/4
MUXCLKR 3/4
1
2
3
4
5
A
B
C
D
E
F
G
H

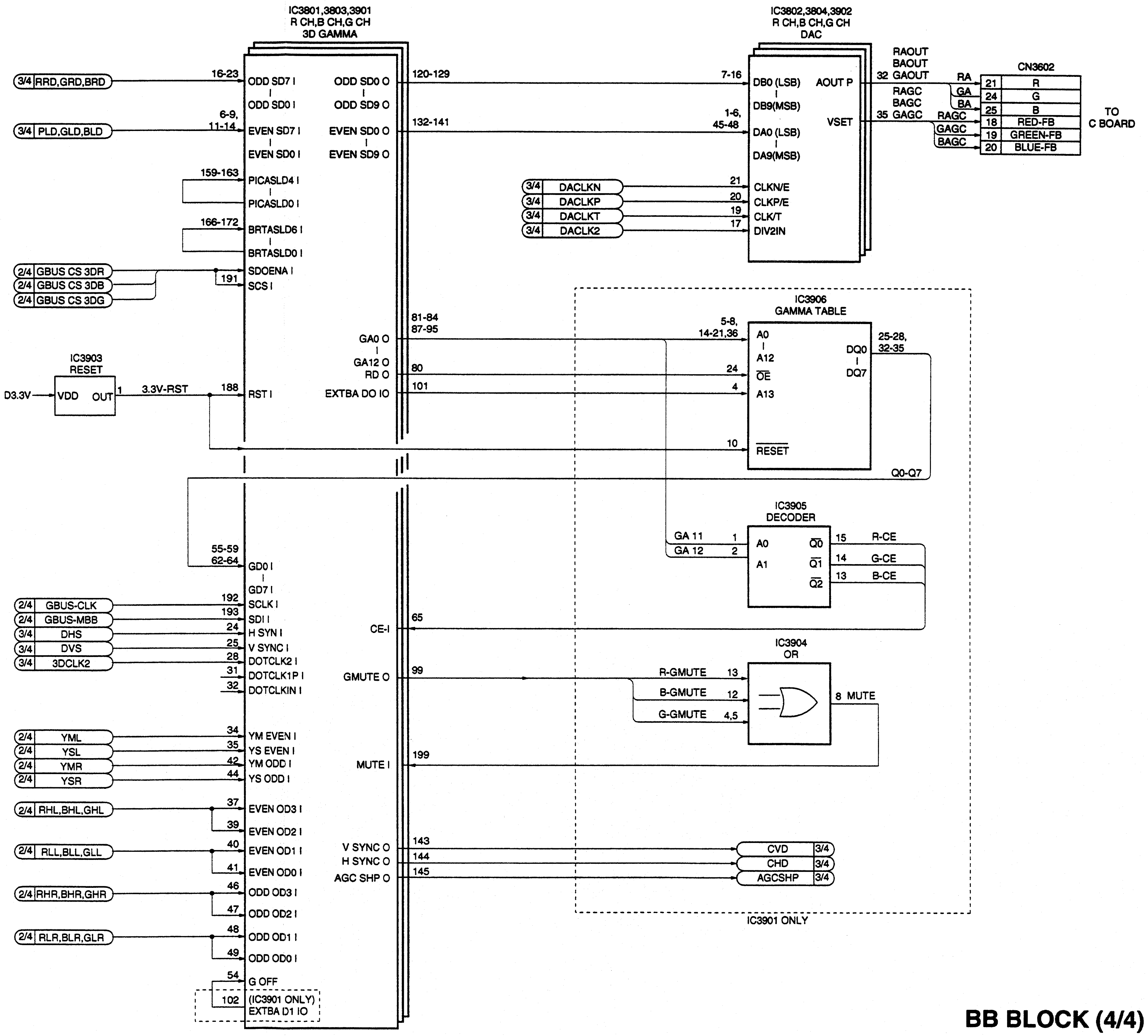
BB BLOCK (1/4)


CN3001
FAN PROT-C A2
TEMP-PROT-C B2
CRESET B2
SDA B4
SCL B5
RCLK B6
SM-CLK-R A6
SM-CLK-L A7
SM-DATA-R A8
SM-DATA-L A9
SM-CS-R A10
SM-CS-L A11
GBUS-CS-NC A12
GBUS-CS-APA A13
GBUS-CS-3DB A14
GBUS-CS-3DG A15
GBUS-CS-3DR A16
GBUS-CS-GN A17
GBUS-CLK A18
GBUS--MBB A20
V-TIM B7
H-TIM B8
TO M BOARD
VIA BM BOARD
GBUS-BBM A19
OSD-YM-R B9
OSD-YM-L B10
OSD-YS-R B11
OSD-YS-L B12
OSD-I-R B13
OSD-I-L B14
OSD-B-R B15
OSD-B-L B16
OSD-G-R B17
OSD-G-L B18
OSD-R-R B19
OSD-R-L B20
FAN PROT 3/4
TEMP PROT 3/4
CRESET 3/4
SDA 3/4
SCL 3/4
OSD 2CLK 3/4
OSDV 3/4
OSDH 3/4
D0 D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11
IC3001
BUFF
A1 A2 A3 A4 A5 A6 A7 A8
Y1 Y2 Y3 Y4 Y5 Y6 Y8
SM-CLK-R 1/4
SM-CLK-L 1/4
SM-DATA-R 1/4
SM-DATA-L 1/4
SM-CS-R 1/4
SM-CS-L 1/4
GBUS-CS-APA
IC3002
BUFF
GBUS-CS-3DB 4/4
GBUS-CS-3DG 4/4
GBUS-CS-3DR 4/4
GBUS-CS-GN 3/4
GBUS-CLK
GBUS-CS-MBB
GBUS-CS-CLK 3/4,4/4
GBUS-CS-MBB 3/4,4/4
IC3012
BUFF
Y1 OE AI
GBUS-BBM
IC3003
BUFF
D1 I D8 CLK
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
YMR YML YSR YSL IR IL BR BL
IC3004
BUFF
D1 I D4 CLK
Q1 Q2 Q3 Q4
GR GL RR RL
3/4 OSD CLK
IC3008
AND
1A 2A 3A 1B 2B 3B 1Y 2Y 3Y
IR BR GR RR
IC3009
AND
IL BL GL RL
IC3010
BUFF
BR GR RR YMR YSR
D1 D3 D5 D7 D8 D2 D4 D6 CLK
Q1 I Q8
19-12
BHR,BLR,
GHR,GLR,
RHR,RLR,
YMR,YSR
IC3011
BUFF
BL GL RL YML YSL
BHL,BLL,
GHL,GLL,
RHL,RLL,
YML,YSL
RHR,BHR,GHR 4/4
RLR,BLR,GLR 4/4
YSR 4/4
YSR 4/4
RHL,BHL,GHL 4/4
RLL,BLL,GLL 4/4
YML 4/4
YSL 4/4
IC3201
APA
1/4 SMB OD
1/4 SMB 1D
1/4 SMB 2D
1/4 SMB 3D
11,13-19 3-10 53-60 43-50
DIN10 I DIN17 DIN20 I DIN27 DIN30 I DIN37 DIN40 I DIN47
OUT0 OUT1 OUT2 OUT3 OUT4
PHASE 0 1/4
PHASE 1 1/4
C63RST 1/4
Z1RST 3/4
ASYNCSEL 3/4
1/4 APACLK
1/4 APAVS
1/4 APAHS
1/4 APAODD
CLK VDX HDXIN FLDIN
HDXOUT FLDOUT
SCSIN SCLK SDI IN SDO OUT
OUT5
IC3202
T.G
YO I/O0 I/O1 I/O2
I/O12 I/O13 I/O11
IC3203
BUFF
A1 A2 A3 A4 A5 A6 A7 A8
Y1 Y2 Y3 Y5 Y6 Y7
SMRFLD 1/4
SMGFLD 1/4
SMBFLD 1/4
SMRHS 1/4
SMGHS 1/4
SMBHS 1/4
IC3204
BUFF
A1 A2 A3 A4
Y1 Y2 Y3
SMR VS 1/4
SMG VS 1/4
SMB VS 1/4

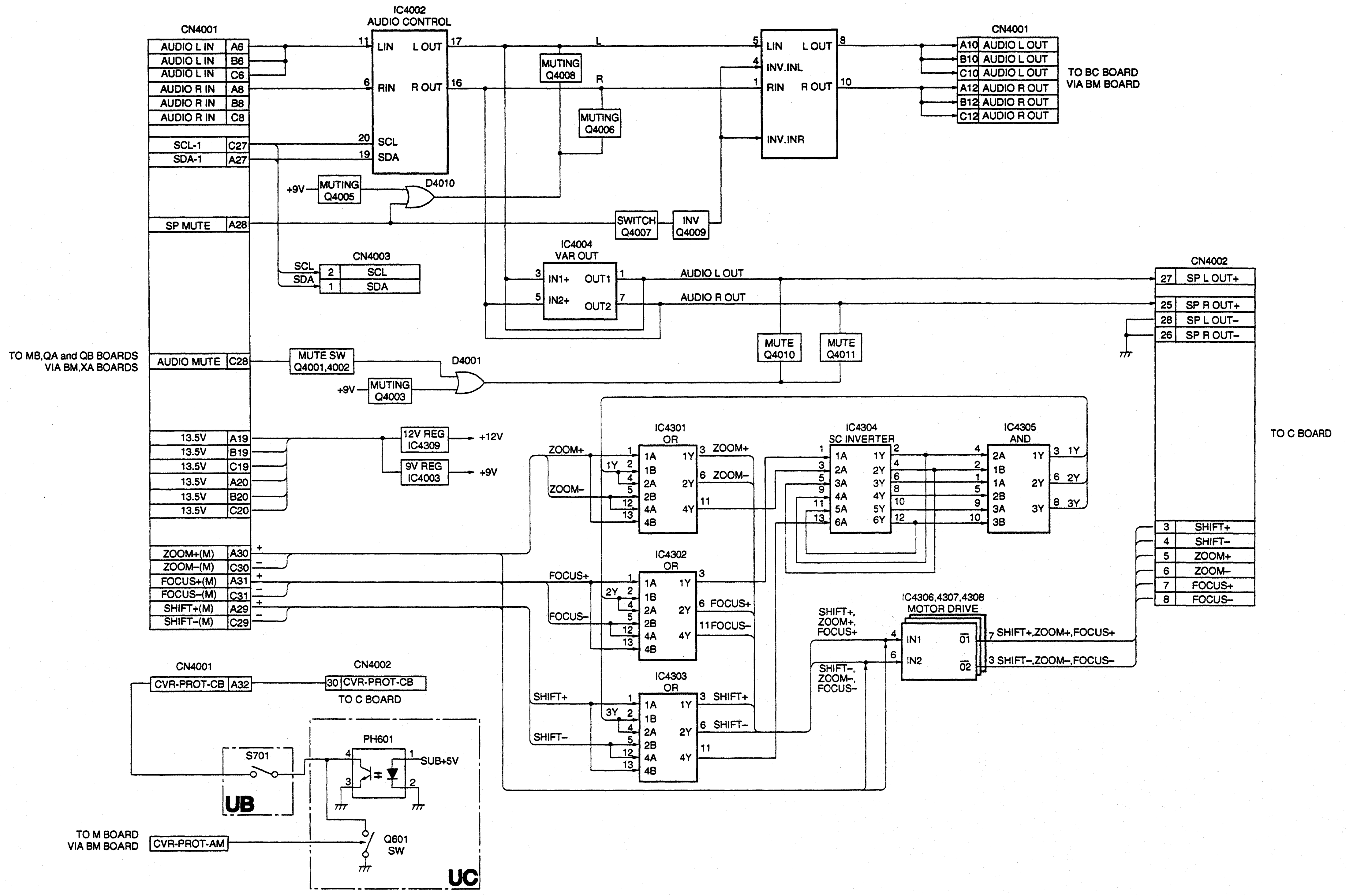
BB BLOCK (2/4)


IC3607
SCAN CONVERTER
1/4 R02D
1/4 G02D
1/4 B02D
120-124, 126,128
133-140
94-99, 110,111
1/4 R13D
1/4 G13D
1/4 B13D
112-119
165-171, 177
85-90, 92,93
VGARED0
VGARED7
VGAGRN0
VGAGRN7
VGABLU0
VGABLU7
VGBRED0 (VGB Y IN0)
VGBRED7 (VGB YIN7)
VGBGRN0
VGBGRN7
VGABLU0 (VGBUIN0)
VGBBLU7 (VGBUIN7)
DBRED0
DBRED7
DARED0
DARED7
DBGRN0
DBGRN7
DAGRN0
DAGRN7
DBBLU0
DBBLU7
DABLU0
DABLU7
DHS
DVS
DHCLK
DCLK
69-71,73 189-192
RRD
8,9,11,12,37, 38,40,41
RLD
178,180-182, 184-187
GRD
6,7,196,198, 200-203
GLD
74,75-78, 80-83
BRD
43,44,46,47, 58-61
BLD
29
28
26
24
RRD,GRD,BRD 4/4
RLD,GLD,BLD 4/4
2/4 Z1RST
2/4 G BUS-MBB
2/4 G BUS-CLK
2/4 G BUS-CS-GN
194
65
64
63
RESET
SDI
SCLK
SCS
VCODD
OVSYNC
VGAVS
VCLREQ
VGAHS
VGACREF
DFSYNC
146 164 141 125 145 144 193
11 12 14 15 19 23 25
I/O 2
I/O 3
I/O 5
I/O 6
I/O 8
I/O 12
I/O 14
1/4 APAVS
2/4 ASYNCSEL
1/4 APAODD
24
26
9
I/O 13
I/O 15
I/O 0
I/O 10
I/O 11
21
22
X3601 60MHz
X3602 64MHz
IC3603 BUFF
A1
A4
Y7
Y6
Y5
Y3
Y2
2
5
12
13
14
16
17
175
142
5
DREFCLK1
VGACLK
YO
1/4 MCLKL
1/4 MCLKR
I/O 4
I/O 7
I/O 9
I/O 1
13
16
20
10
IC3602
T.G
IC3605 BUFF
A1 A2 A3 A4 A5 A6 A7 A8
Y1 Y2 Y3 Y4 Y5 Y6 Y7 Y8
RMUXL 1/4
GMUXL 1/4
BMUXL 1/4
RMUXR 1/4
GMUXR 1/4
BMUXR 1/4
MUXCLKL 1/4
MUXCLKR 1/4
IC3606 BUFF
POVSL 1/4
POVSR 1/4
POHSL 1/4
POHSR 1/4
POCLKL 1/4
POCLKR 1/4
POFLDL 1/4
POFLDR 1/4
IC3613 D.FF
1D 1Q
1CK
2D 2Q
2CK
DHS 4/4
OSDH 2/4
4/4 AGCSHP
IC3614 D.FF
1D 1Q
1CLK
2D 2Q
2CL
DVS 4/4
OSDV 2/4
IC3608 BUFF
A1 Y2
A2 Y8
Y1
Y6
Y7
IC3609 BUFF
A1 Y3
A2 Y4
OSDCLK 2/4
CLKHV
OSD2CLK 2/4
3DCLK2 4/4
DACLK2 4/4
IC3611 LEVEL SHIFT
DIN
CIN
A OUT
A OUT
B OUT
B OUT
C OUT
C OUT
D OUT
D OUT
BIN
AIN
CVD 4/4
CHD 4/4
CN3602
5 MCLK-P
6 MCLK-N
7 1/2CLKP
8 1/2CLKN
9 HSYNC-P
10 HSYNC-N
11 VSYNC-P
12 VSYNC-N
13 SDA
14 SCL
15 CRESET
16 FAN PROT
17 TEMP PROT
2/4 SDA
2/4 SCL
2/4 CRESET
2/4 FAN PROT
2/4 TEMP PROT
TO C BOARD
IC3610 BUFF
A1 A2 A3
Y3 Y8 Y5 Y4 Y6
IC3612 LEVEL SHIFT
BIN AIN
B OUT
B OUT
A OUT
A OUT
DACLKN 4/4
DACLKP 4/4
DACLKT 4/4

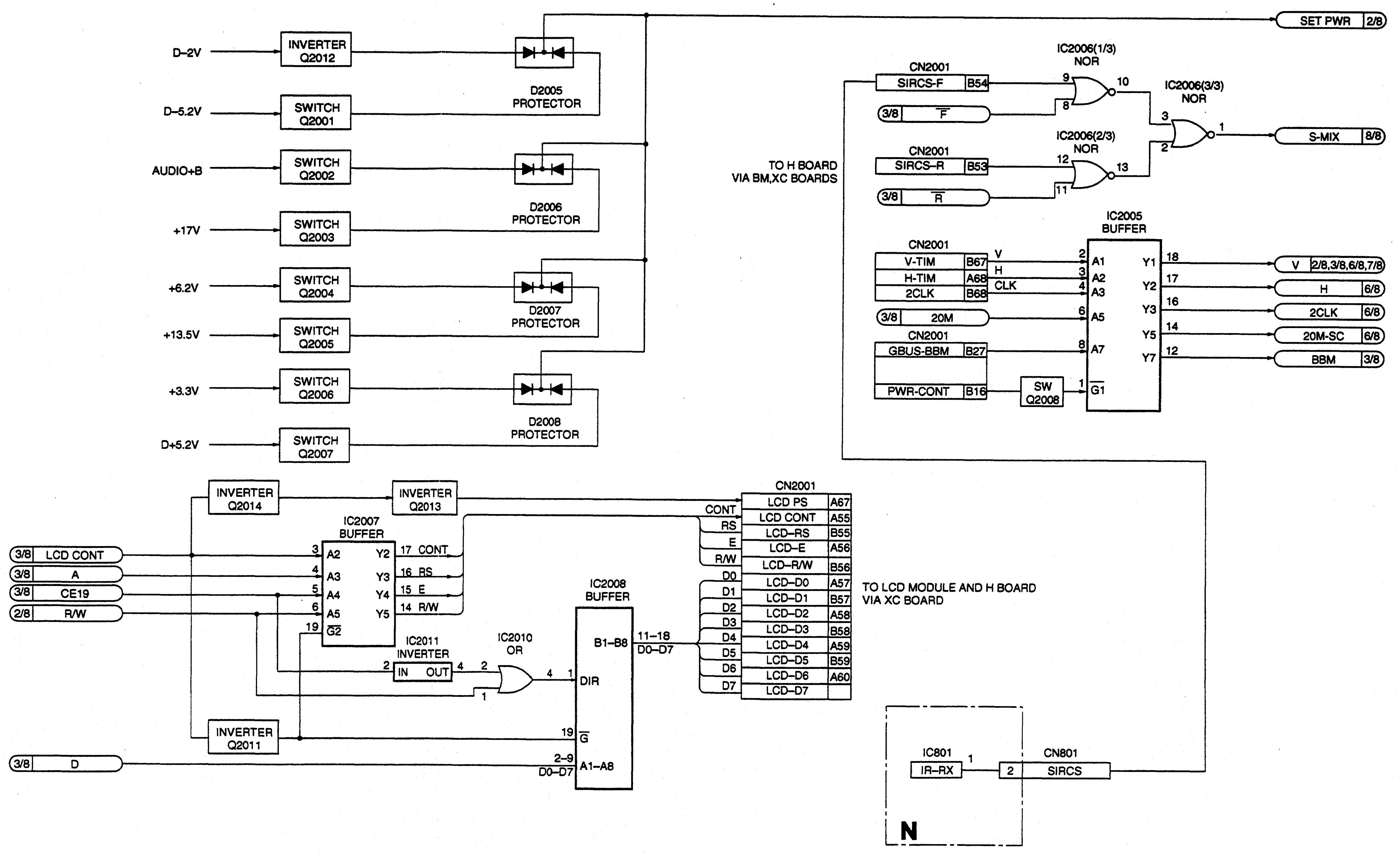
BB BLOCK (3/4)


IC3801,3803,3901
R CH,B CH,G CH
3D GAMMA
3/4 RRD,GRD,BRD
16-23
ODD SD7 I
ODD SD0 I
6-9, 11-14
3/4 PLD,GLD,BLD
EVEN SD7 I
EVEN SD0 I
159-163
PICASLD4 I
PICASLD0 I
166-172
BRTASLD6 I
BRTASLD0 I
2/4 GBUS CS 3DR
2/4 GBUS CS 3DB
2/4 GBUS CS 3DG
191
SDOENA I
SCS I
IC3903
RESET
D3.3V
VDD
OUT
1
3.3V-RST
188
RST I
ODD SD0 O
ODD SD9 O
EVEN SD0 O
EVEN SD9 O
120-129
132-141
81-84
87-95
GA0 O
GA12 O
RD O
80
EXTBA D0 IO
101
55-59
62-64
GD0 I
GD7 I
2/4 GBUS-CLK
2/4 GBUS-MBB
3/4 DHS
3/4 DVS
3/4 3DCLK2
192
SCLK I
193
SDI I
24
H SYN I
25
V SYNC I
28
DOTCLK2 I
31
DOTCLK1P I
32
DOTCLKIN I
2/4 YML
2/4 YSL
2/4 YMR
2/4 YSR
34
YM EVEN I
35
YS EVEN I
42
YM ODD I
44
YS ODD I
2/4 RHL,BHL,GHL
37
EVEN OD3 I
39
EVEN OD2 I
2/4 RLL,BLL,GLL
40
EVEN OD1 I
41
EVEN OD0 I
2/4 RHR,BHR,GHR
46
ODD OD3 I
47
ODD OD2 I
2/4 RLR,BLR,GLR
48
ODD OD1 I
49
ODD OD0 I
54
G OFF
102
(IC3901 ONLY)
EXTBA D1 IO
CE-I
65
GMUTE O
99
MUTE I
199
V SYNC O
143
H SYNC O
144
AGC SHP O
145
IC3802,3804,3902
R CH,B CH,G CH
DAC
7-16
DB0 (LSB)
DB9(MSB)
1-6, 45-48
DA0 (LSB)
DA9(MSB)
AOUT P
VSET
RAOUT
BAOUT
32 GAOUT
RAGC
BAGC
35 GAGC
3/4 DACLKN
3/4 DACLKP
3/4 DACLKT
3/4 DACLK2
21
CLKN/E
20
CLKP/E
19
CLK/T
17
DIV2IN
RA
GA
BA
RAGC
GAGC
BAGC
CN3602
21 R
24 G
25 B
18 RED-FB
19 GREEN-FB
20 BLUE-FB
TO C BOARD
IC3906
GAMMA TABLE
5-8, 14-21,36
A0
A12
24
OE
4
A13
10
RESET
DQ0
DQ7
25-28, 32-35
Q0-Q7
IC3905
DECODER
GA 11
1
GA 12
2
A0
A1
Q0
Q1
Q2
15
R-CE
14
G-CE
13
B-CE
IC3904
OR
R-GMUTE
13
B-GMUTE
12
G-GMUTE
4,5
8 MUTE
CVD 3/4
CHD 3/4
AGCSHP 3/4
IC3901 ONLY

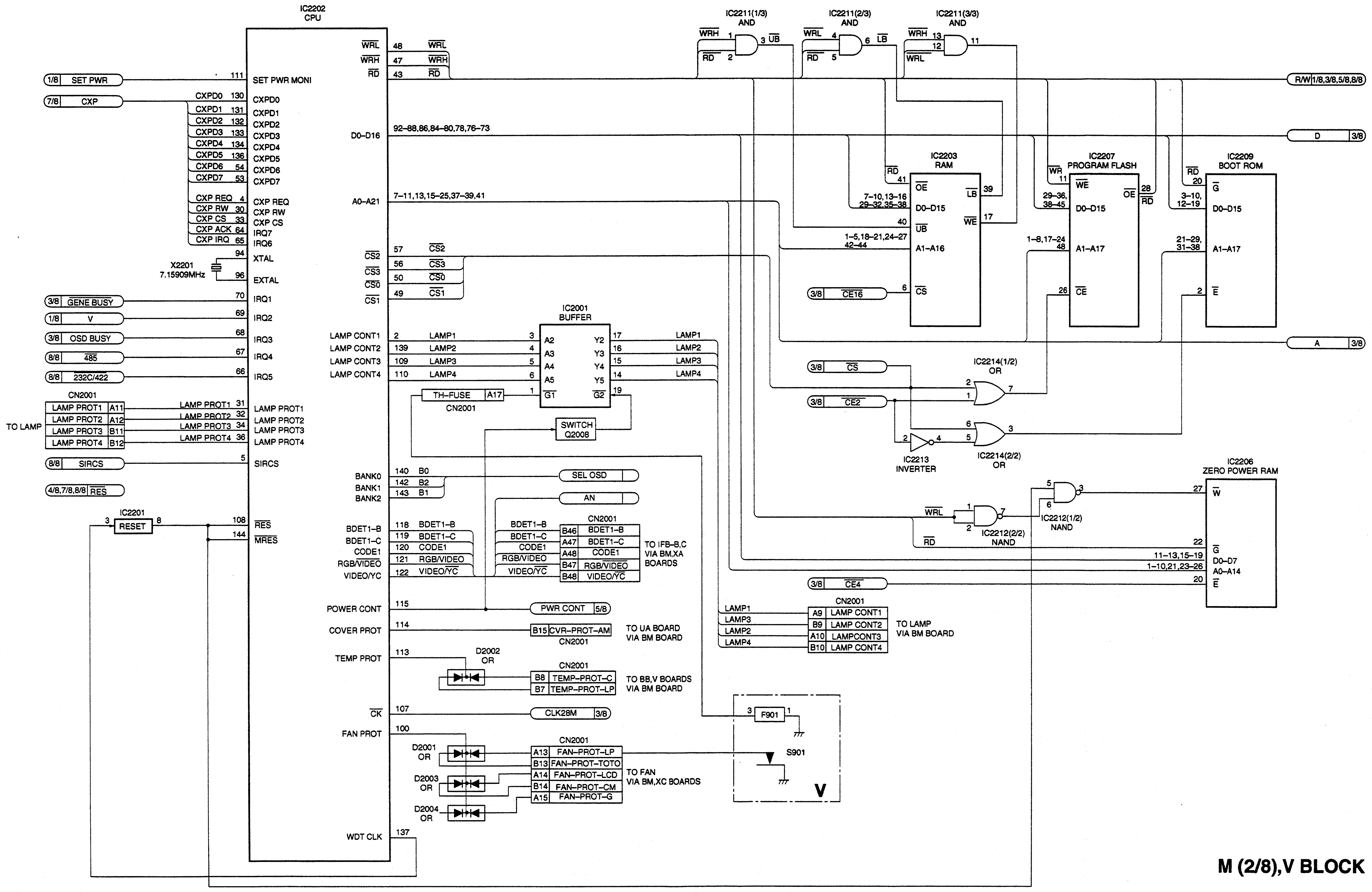
BB BLOCK (4/4)


CN4001
AUDIO L IN A6
AUDIO L IN B6
AUDIO L IN C6
AUDIO R IN A8
AUDIO R IN B8
AUDIO R IN C8
SCL-1 C27
SDA-1 A27
SP MUTE A28
AUDIO MUTE C28
13.5V A19
13.5V B19
13.5V C19
13.5V A20
13.5V B20
13.5V C20
ZOOM+(M) A30
ZOOM–(M) C30
FOCUS+(M) A31
FOCUS–(M) C31
SHIFT+(M) A29
SHIFT–(M) C29
TO MB,QA and QB BOARDS VIA BM,XA BOARDS
IC4002 AUDIO CONTROL
LIN L OUT
RIN R OUT
SCL
SDA
MUTING Q4008
MUTING Q4006
MUTING Q4005
+9V
D4010
LIN L OUT
INV.INL
RIN R OUT
INV.INR
SWITCH Q4007
INV Q4009
CN4001
A10 AUDIO L OUT
B10 AUDIO L OUT
C10 AUDIO L OUT
A12 AUDIO R OUT
B12 AUDIO R OUT
C12 AUDIO R OUT
TO BC BOARD VIA BM BOARD
CN4003
SCL 2 SCL
SDA 1 SDA
IC4004 VAR OUT
IN1+ OUT1
IN2+ OUT2
AUDIO L OUT
AUDIO R OUT
MUTE Q4010
MUTE Q4011
CN4002
27 SP L OUT+
25 SP R OUT+
28 SP L OUT–
26 SP R OUT–
MUTE SW Q4001,4002
D4001
MUTING Q4003
12V REG IC4309
+12V
9V REG IC4003
+9V
TO C BOARD
IC4301 OR
ZOOM+
ZOOM–
IC4302 OR
FOCUS+
FOCUS–
IC4303 OR
SHIFT+
SHIFT–
IC4304 SC INVERTER
IC4305 AND
IC4306,4307,4308 MOTOR DRIVE
SHIFT+, ZOOM+, FOCUS+
SHIFT–, ZOOM–, FOCUS–
IN1 01
IN2 02
SHIFT+,ZOOM+,FOCUS+
SHIFT–,ZOOM–,FOCUS–
3 SHIFT+
4 SHIFT–
5 ZOOM+
6 ZOOM–
7 FOCUS+
8 FOCUS–
CN4001
CVR-PROT-CB A32
CN4002
30 CVR-PROT-CB
TO C BOARD
S701
UB
PH601
SUB+5V
TO M BOARD VIA BM BOARD
CVR-PROT-AM
Q601 SW
UC

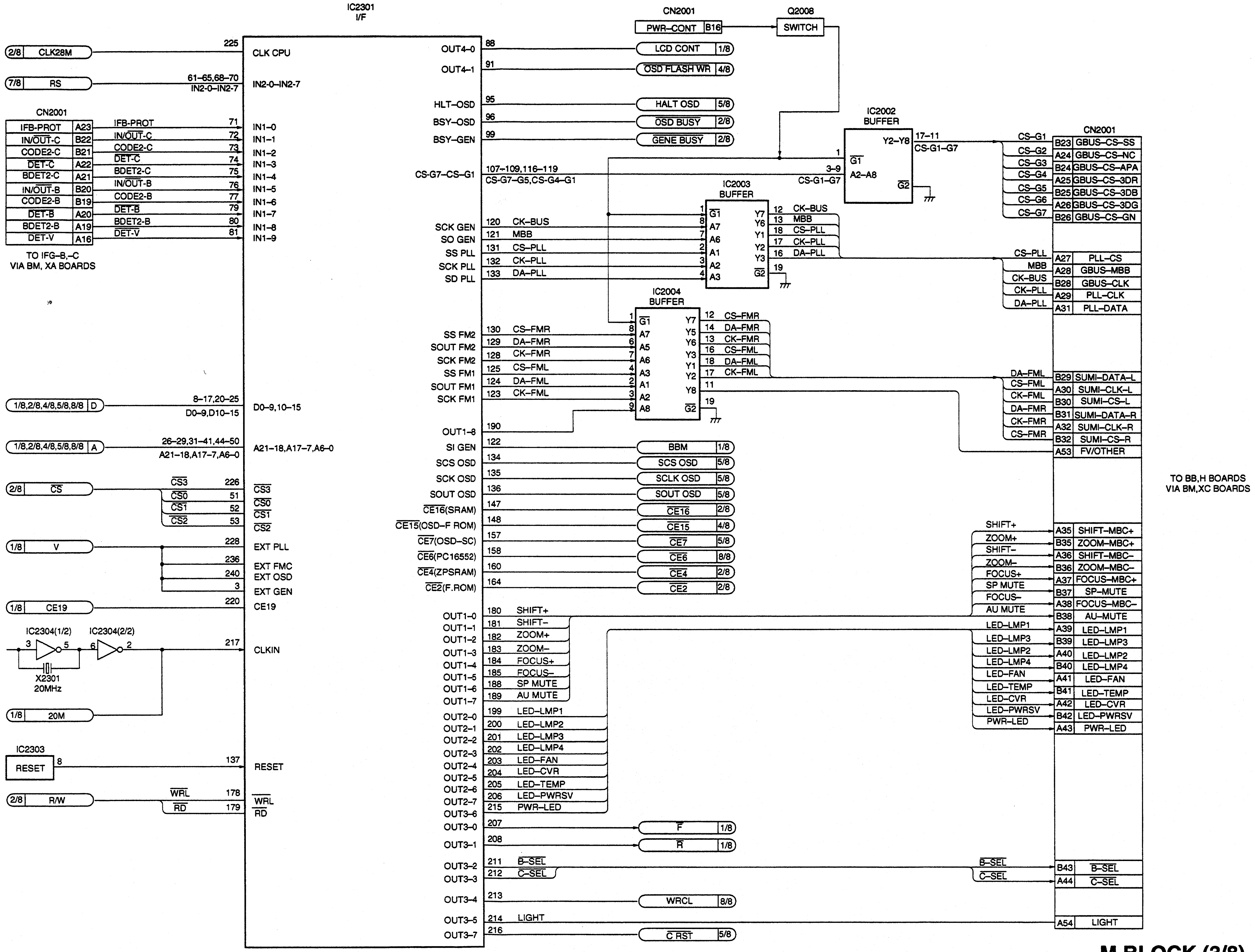
BC, UB, UC BLOCK


D–2V
INVERTER Q2012
D–5.2V
SWITCH Q2001
AUDIO+B
SWITCH Q2002
+17V
SWITCH Q2003
+6.2V
SWITCH Q2004
+13.5V
SWITCH Q2005
+3.3V
SWITCH Q2006
D+5.2V
SWITCH Q2007
D2005 PROTECTOR
D2006 PROTECTOR
D2007 PROTECTOR
D2008 PROTECTOR
SET PWR 2/8
TO H BOARD VIA BM,XC BOARDS
CN2001
SIRCS-F B54
3/8 F
SIRCS-R B53
3/8 R
IC2006(1/3) NOR
IC2006(2/3) NOR
IC2006(3/3) NOR
S-MIX 8/8
V-TIM B67
H-TIM A68
2CLK B68
3/8 20M
GBUS-BBM B27
PWR-CONT B16
SW Q2008
IC2005 BUFFER
A1 A2 A3 A5 A7 G1
Y1 Y2 Y3 Y5 Y7
V H CLK
V 2/8,3/8,6/8,7/8
H 6/8
2CLK 6/8
20M-SC 6/8
BBM 3/8
INVERTER Q2014
INVERTER Q2013
IC2007 BUFFER
A2 A3 A4 A5 G2
Y2 Y3 Y4 Y5
17 CONT
16 RS
15 E
14 R/W
3/8 LCD CONT
3/8 A
3/8 CE19
2/8 R/W
IC2011 INVERTER
IN OUT
IC2010 OR
IC2008 BUFFER
B1–B8
DIR
G
A1–A8
11–18 D0–D7
2–9 D0–D7
INVERTER Q2011
3/8 D
CN2001
CONT RS E R/W D0 D1 D2 D3 D4 D5 D6 D7
LCD PS A67
LCD CONT A55
LCD-RS B55
LCD-E A56
LCD-R/W B56
LCD-D0 A57
LCD-D1 B57
LCD-D2 A58
LCD-D3 B58
LCD-D4 A59
LCD-D5 B59
LCD-D6 A60
LCD-D7
TO LCD MODULE AND H BOARD VIA XC BOARD
IC801 IR-RX
CN801 SIRCS
N

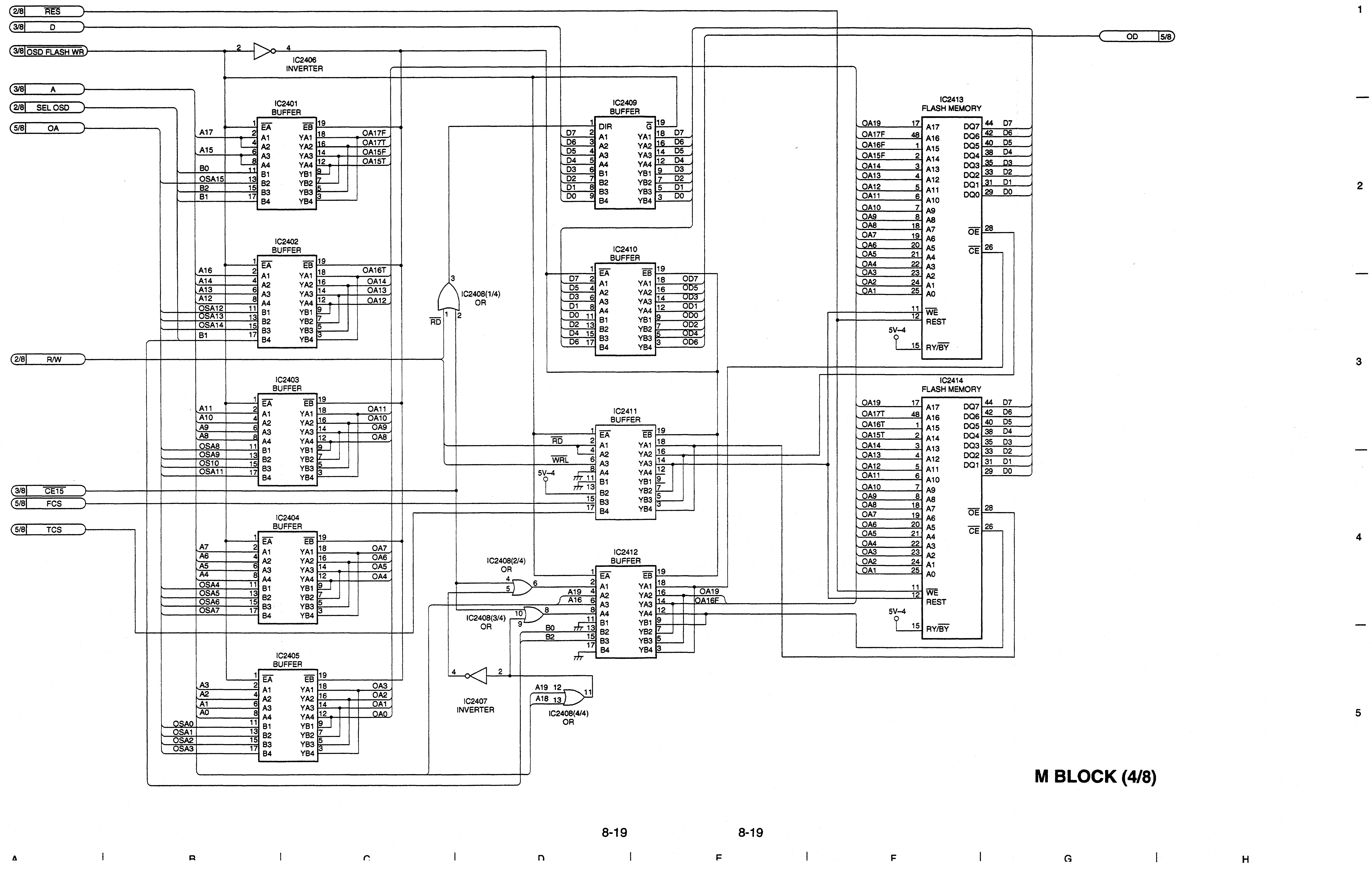
M (1/8), N BLOCK


IC2202
CPU
SET PWR MONI
CXPD0
CXPD1
CXPD2
CXPD3
CXPD4
CXPD5
CXPD6
CXPD7
CXP REQ
CXP RW
CXP CS
IRQ7
IRQ6
XTAL
EXTAL
X2201
7.15909MHz
IRQ1
IRQ2
IRQ3
IRQ4
IRQ5
LAMP PROT1
LAMP PROT2
LAMP PROT3
LAMP PROT4
SIRCS
RES
MRES
WRL
WRH
RD
D0–D16
92–88,86,84–80,78,76–73
A0–A21
7–11,13,15–25,37–39,41
CS2
CS3
CS0
CS1
1/8 SET PWR
7/8 CXP
3/8 GENE BUSY
1/8 V
3/8 OSD BUSY
8/8 485
8/8 232C/422
8/8 SIRCS
4/8,7/8,8/8 RES
CN2001
TO LAMP
IC2201
RESET
LAMP CONT1
LAMP CONT2
LAMP CONT3
LAMP CONT4
IC2001
BUFFER
TH-FUSE
SWITCH
Q2008
BANK0
BANK1
BANK2
SEL OSD
AN
BDET1–B
BDET1–C
CODE1
RGB/VIDEO
VIDEO/YC
TO IFB-B,C
VIA BM,XA
BOARDS
POWER CONT
PWR CONT 5/8
COVER PROT
B15 CVR-PROT-AM
TO UA BOARD
VIA BM BOARD
TEMP PROT
D2002
OR
B8 TEMP-PROT-C
B7 TEMP-PROT-LP
TO BB,V BOARDS
VIA BM BOARD
CK
CLK28M 3/8
FAN PROT
D2001
OR
D2003
OR
D2004
OR
A13 FAN-PROT-LP
B13 FAN-PROT-TOTO
A14 FAN-PROT-LCD
B14 FAN-PROT-CM
A15 FAN-PROT-G
TO FAN
VIA BM,XC BOARDS
F901
S901
V
WDT CLK
IC2211(1/3)
AND
IC2211(2/3)
AND
IC2211(3/3)
AND
UB
LB
R/W 1/8,3/8,5/8,8/8
D 3/8
A 3/8
IC2203
RAM
OE
D0–D15
UB
A1–A16
LB
WE
CS
3/8 CE16
IC2207
PROGRAM FLASH
WE
OE
D0–D15
A1–A17
CE
IC2209
BOOT ROM
G
D0–D15
A1–A17
E
3/8 CS
3/8 CE2
IC2214(1/2)
OR
IC2214(2/2)
OR
IC2213
INVERTER
IC2212(1/2)
NAND
IC2212(2/2)
NAND
IC2206
ZERO POWER RAM
W
G
D0–D7
A0–A14
E
3/8 CE4
A9 LAMP CONT1
B9 LAMP CONT2
A10 LAMPCONT3
B10 LAMP CONT4
TO LAMP
VIA BM BOARD

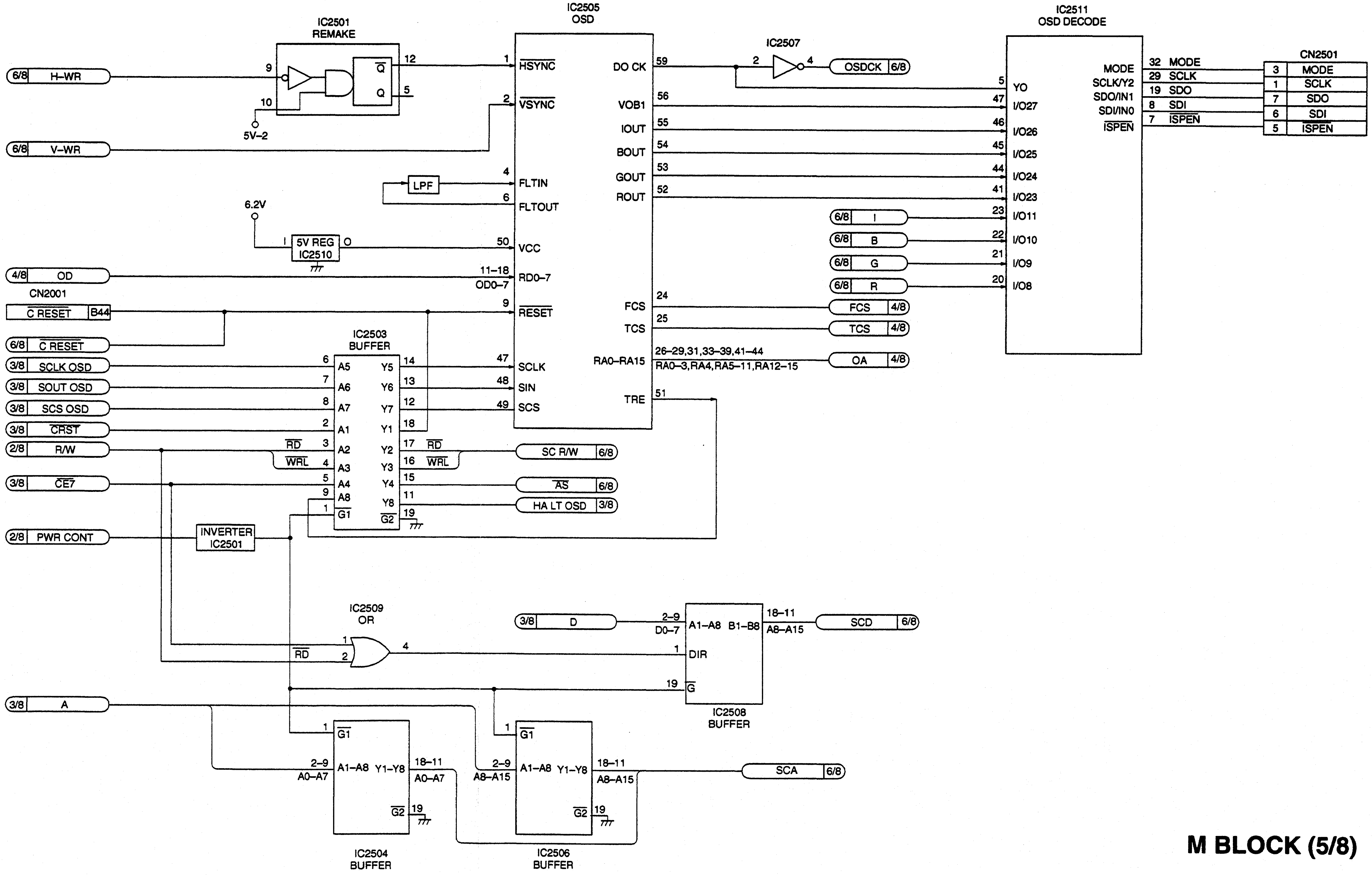
M (2/8),V BLOCK


IC2301
I/F
CLK CPU
IN2-0–IN2-7
IN1–0
IN1–9
D0–9,10–15
A21–18,A17–7,A6–0
CS3
CS0
CS1
CS2
EXT PLL
EXT FMC
EXT OSD
EXT GEN
CE19
CLKIN
RESET
WRL
RD
OUT4–0
OUT4–1
HLT–OSD
BSY–OSD
BSY–GEN
CS-G7–CS-G1
SCK GEN
SO GEN
SS PLL
SCK PLL
SD PLL
SS FM2
SOUT FM2
SCK FM2
SS FM1
SOUT FM1
SCK FM1
OUT1–8
SI GEN
SCS OSD
SCK OSD
SOUT OSD
CE16(SRAM)
CE15(OSD–F ROM)
CE7(OSD–SC)
CE6(PC16552)
CE4(ZPSRAM)
CE2(F.ROM)
CLK28M
RS
CN2001
IFB-PROT
IN/OUT-C
CODE2-C
DET-C
BDET2-C
IN/OUT-B
CODE2-B
DET-B
BDET2-B
DET-V
TO IFG–B,–C
VIA BM, XA BOARDS
IC2304(1/2)
IC2304(2/2)
X2301
20MHz
20M
IC2303
RESET
R/W
CN2001
PWR–CONT
Q2008
SWITCH
LCD CONT
OSD FLASH WR
HALT OSD
OSD BUSY
GENE BUSY
IC2002
BUFFER
IC2003
BUFFER
IC2004
BUFFER
CK–BUS
MBB
CS–PLL
CK–PLL
DA–PLL
CS–FMR
DA–FMR
CK–FMR
CS–FML
DA–FML
CK–FML
BBM
SCS OSD
SCLK OSD
SOUT OSD
CE16
CE15
CE7
CE6
CE4
CE2
SHIFT+
SHIFT–
ZOOM+
ZOOM–
FOCUS+
FOCUS–
SP MUTE
AU MUTE
LED–LMP1
LED–LMP2
LED–LMP3
LED–LMP4
LED–FAN
LED–CVR
LED–TEMP
LED–PWRSV
PWR–LED
F
R
B–SEL
C–SEL
WRCL
LIGHT
C RST
GBUS–CS–SS
GBUS–CS–NC
GBUS–CS–APA
GBUS–CS–3DR
GBUS–CS–3DB
GBUS–CS–3DG
GBUS–CS–GN
PLL–CS
GBUS–MBB
GBUS–CLK
PLL–CLK
PLL–DATA
SUMI–DATA–L
SUMI–CLK–L
SUMI–CS–L
SUMI–DATA–R
SUMI–CLK–R
SUMI–CS–R
FV/OTHER
SHIFT–MBC+
ZOOM–MBC+
SHIFT–MBC–
ZOOM–MBC–
FOCUS–MBC+
FOCUS–MBC–
TO BB,H BOARDS
VIA BM,XC BOARDS

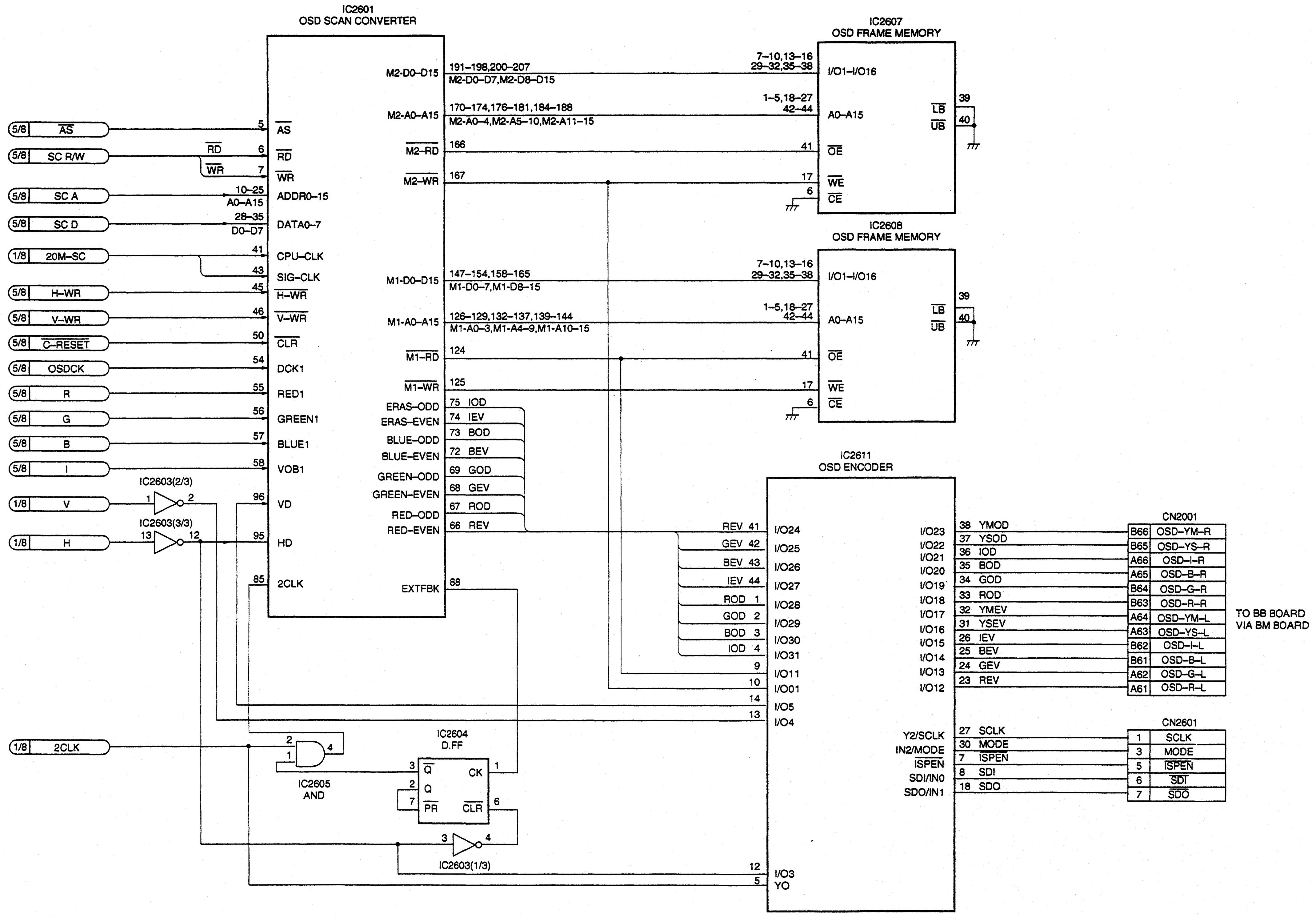
M BLOCK (3/8)


(2/8) RES
(3/8) D
(3/8) OSD FLASH WR
(3/8) A
(2/8) SEL OSD
(5/8) OA
(2/8) R/W
(3/8) CE15
(5/8) FCS
(5/8) TCS
OD 5/8
IC2406 INVERTER
IC2401 BUFFER
IC2402 BUFFER
IC2403 BUFFER
IC2404 BUFFER
IC2405 BUFFER
IC2407 INVERTER
IC2408(1/4) OR
IC2408(2/4) OR
IC2408(3/4) OR
IC2408(4/4) OR
IC2409 BUFFER
IC2410 BUFFER
IC2411 BUFFER
IC2412 BUFFER
IC2413 FLASH MEMORY
IC2414 FLASH MEMORY
EA EB A1 A2 A3 A4 B1 B2 B3 B4 YA1 YA2 YA3 YA4 YB1 YB2 YB3 YB4
DIR G
A17 A15 B0 OSA15 B2 B1
OA17F OA17T OA15F OA15T
A16 A14 A13 A12 OSA12 OSA13 OSA14
OA16T OA14 OA13 OA12
A11 A10 A9 A8 OSA8 OSA9 OS10 OSA11
OA11 OA10 OA9 OA8
A7 A6 A5 A4 OSA4 OSA5 OSA6 OSA7
OA7 OA6 OA5 OA4
A3 A2 A1 A0 OSA0 OSA1 OSA2 OSA3
OA3 OA2 OA1 OA0
D7 D6 D5 D4 D3 D2 D1 D0
OD7 OD5 OD3 OD1 OD0 OD2 OD4 OD6
RD WRL 5V–4
A19 A16 A18 B0 B2
OA19 OA16F
OA19 OA17F OA16F OA15F OA14 OA13 OA12 OA11 OA10 OA9 OA8 OA7 OA6 OA5 OA4 OA3 OA2 OA1
OA19 OA17T OA16T OA15T
A17 A16 A15 A14 A13 A12 A11 A10 A9 A8 A7 A6 A5 A4 A3 A2 A1 A0
DQ7 DQ6 DQ5 DQ4 DQ3 DQ2 DQ1 DQ0
OE CE WE REST RY/BY
1
2
3
4
5
A
B
C
D
E
F
G
H

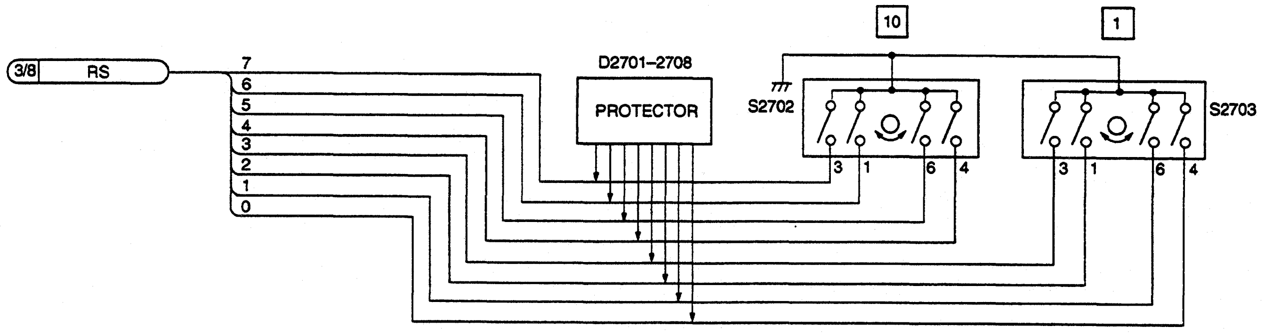
M BLOCK (4/8)

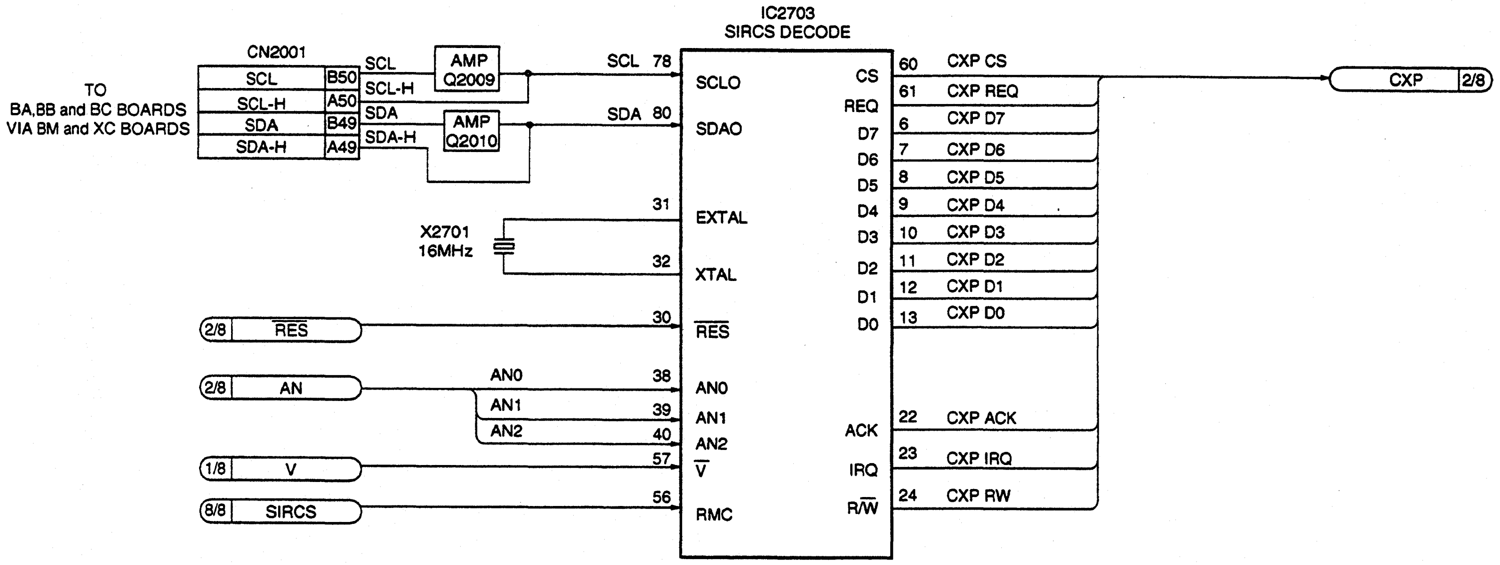

IC2501
REMAKE
IC2505
OSD
IC2507
IC2511
OSD DECODE
CN2501
6/8 H-WR
6/8 V-WR
5V-2
HSYNC
VSYNC
DO CK
VOB1
IOUT
BOUT
GOUT
ROUT
OSDCK 6/8
YO
I/O27
I/O26
I/O25
I/O24
I/O23
I/O11
I/O10
I/O9
I/O8
MODE
SCLK/Y2
SDO/IN1
SDI/IN0
ISPEN
32 MODE
29 SCLK
19 SDO
8 SDI
7 ISPEN
3 MODE
1 SCLK
7 SDO
6 SDI
5 ISPEN
LPF
FLTIN
FLTOUT
6.2V
5V REG
IC2510
VCC
4/8 OD
11–18
RD0–7
OD0–7
CN2001
C RESET B44
RESET
6/8 C RESET
6/8 I
6/8 B
6/8 G
6/8 R
FCS
TCS
FCS 4/8
TCS 4/8
RA0–RA15
26–29,31,33–39,41–44
RA0–3,RA4,RA5–11,RA12–15
OA 4/8
IC2503
BUFFER
3/8 SCLK OSD
3/8 SOUT OSD
3/8 SCS OSD
3/8 CRST
2/8 R/W
3/8 CE7
A5 A6 A7 A1 A2 A3 A4 A8 G1
Y5 Y6 Y7 Y1 Y2 Y3 Y4 Y8 G2
RD
WRL
SCLK
SIN
SCS
TRE
SC R/W 6/8
AS 6/8
HA LT OSD 3/8
2/8 PWR CONT
INVERTER
IC2501
IC2509
OR
3/8 D
2–9
D0–7
A1–A8 B1–B8
18–11
A8–A15
SCD 6/8
DIR
G
IC2508
BUFFER
3/8 A
G1
A1–A8 Y1–Y8
A0–A7
A8–A15
G2
SCA 6/8
IC2504
BUFFER
IC2506
BUFFER

M BLOCK (5/8)

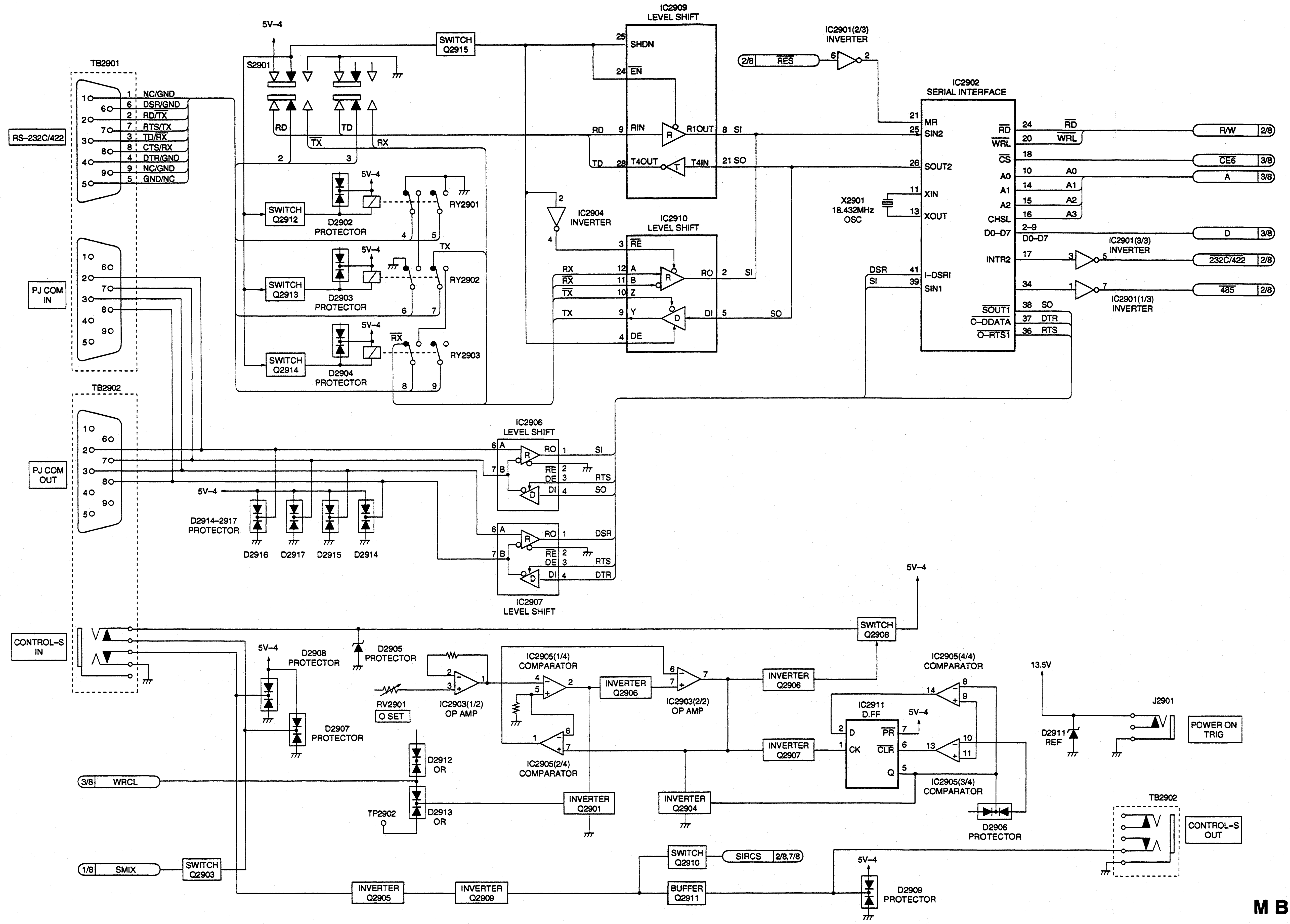

IC2601
OSD SCAN CONVERTER
IC2607
OSD FRAME MEMORY
IC2608
OSD FRAME MEMORY
IC2611
OSD ENCODER
IC2604
D.FF
IC2605
AND
IC2603(1/3)
IC2603(2/3)
IC2603(3/3)
CN2001
CN2601
TO BB BOARD
VIA BM BOARD
5/8 AS
5/8 SC R/W
5/8 SC A
5/8 SC D
1/8 20M-SC
5/8 H-WR
5/8 V-WR
5/8 C-RESET
5/8 OSDCK
5/8 R
5/8 G
5/8 B
5/8 I
1/8 V
1/8 H
1/8 2CLK
RD
WR
10–25 A0–A15
28–35 D0–D7
AS
RD
WR
ADDR0–15
DATA0–7
CPU-CLK
SIG-CLK
H-WR
V-WR
CLR
DCK1
RED1
GREEN1
BLUE1
VOB1
VD
HD
2CLK
EXTFBK
M2-D0-D15
M2-A0-A15
M2-RD
M2-WR
M1-D0-D15
M1-A0-A15
M1-RD
M1-WR
ERAS-ODD
ERAS-EVEN
BLUE-ODD
BLUE-EVEN
GREEN-ODD
GREEN-EVEN
RED-ODD
RED-EVEN
191–198,200–207
M2-D0-D7,M2-D8-D15
170–174,176–181,184–188
M2-A0-4,M2-A5-10,M2-A11-15
166
167
147–154,158–165
M1-D0-7,M1-D8-15
126–129,132–137,139–144
M1-A0-3,M1-A4-9,M1-A10-15
124
125
75 IOD
74 IEV
73 BOD
72 BEV
69 GOD
68 GEV
67 ROD
66 REV
88
7–10,13–16
29–32,35–38
1–5,18–27
42–44
I/O1–I/O16
A0–A15
OE
WE
CE
LB
UB
39
40
41
17
6
REV 41
GEV 42
BEV 43
IEV 44
ROD 1
GOD 2
BOD 3
IOD 4
I/O24
I/O25
I/O26
I/O27
I/O28
I/O29
I/O30
I/O31
I/O11
I/O01
I/O5
I/O4
I/O3
YO
I/O23
I/O22
I/O21
I/O20
I/O19
I/O18
I/O17
I/O16
I/O15
I/O14
I/O13
I/O12
38 YMOD
37 YSOD
36 IOD
35 BOD
34 GOD
33 ROD
32 YMEV
31 YSEV
26 IEV
25 BEV
24 GEV
23 REV
B66 OSD-YM-R
B65 OSD-YS-R
A66 OSD-I-R
A65 OSD-B-R
B64 OSD-G-R
B63 OSD-R-R
A64 OSD-YM-L
A63 OSD-YS-L
B62 OSD-I-L
B61 OSD-B-L
A62 OSD-G-L
A61 OSD-R-L
Y2/SCLK
IN2/MODE
ISPEN
SDI/IN0
SDO/IN1
27 SCLK
30 MODE
7 ISPEN
8 SDI
18 SDO
1 SCLK
3 MODE
5 ISPEN
6 SDI
7 SDO
Q
CK
PR
CLR

M BLOCK (6/8)


3/8
RS
D2701–2708
PROTECTOR
S2702
S2703


IC2703
SIRCS DECODE
CN2001
TO
BA,BB and BC BOARDS
VIA BM and XC BOARDS
SCL
SCL-H
SDA
SDA-H
B50
A50
B49
A49
SCL
SCL-H
SDA
SDA-H
AMP
Q2009
AMP
Q2010
SCL 78
SDA 80
SCLO
SDAO
31
EXTAL
32
XTAL
X2701
16MHz
2/8
RES
30
RES
2/8
AN
AN0
AN1
AN2
38
39
40
AN0
AN1
AN2
1/8
V
57
V
8/8
SIRCS
56
RMC
CS
REQ
D7
D6
D5
D4
D3
D2
D1
D0
60
61
6
7
8
9
10
11
12
13
CXP CS
CXP REQ
CXP D7
CXP D6
CXP D5
CXP D4
CXP D3
CXP D2
CXP D1
CXP D0
ACK
IRQ
R/W
22
23
24
CXP ACK
CXP IRQ
CXP RW
CXP
2/8

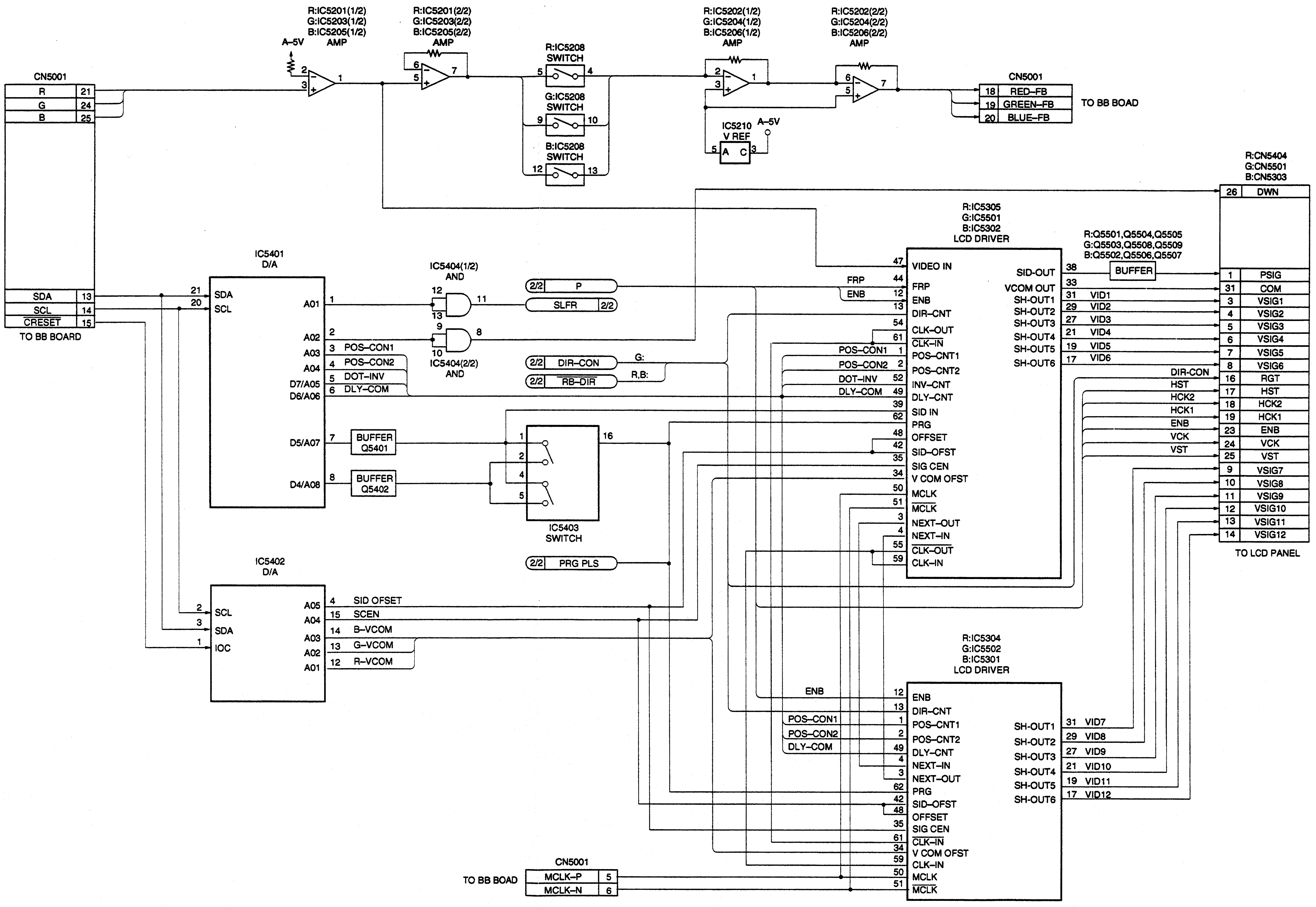
M BLOCK (7/8)


TB2901
RS-232C/422
1 NC/GND
6 DSR/GND
2 RD/TX
7 RTS/TX
3 TD/RX
8 CTS/RX
4 DTR/GND
9 NC/GND
5 GND/NC
PJ COM IN
PJ COM OUT
TB2902
CONTROL-S IN
CONTROL-S OUT
POWER ON TRIG
J2901
5V-4
S2901
SWITCH Q2915
SWITCH Q2912
SWITCH Q2913
SWITCH Q2914
D2902 PROTECTOR
D2903 PROTECTOR
D2904 PROTECTOR
RY2901
RY2902
RY2903
RD
TD
TX
RX
IC2909 LEVEL SHIFT
SHDN
EN
RIN
R1OUT
T4OUT
T4IN
IC2910 LEVEL SHIFT
RE
A
B
Z
Y
DE
RO
DI
SI
SO
IC2904 INVERTER
IC2901(2/3) INVERTER
2/8 RES
IC2902 SERIAL INTERFACE
MR
SIN2
SOUT2
XIN
XOUT
I-DSRI
SIN1
RD
WRL
CS
A0
A1
A2
CHSL
D0-D7
INTR2
SOUT1
O-DDATA
O-RTS1
X2901 18.432MHz OSC
DSR
DTR
RTS
R/W 2/8
CE6 3/8
A 3/8
D 3/8
232C/422 2/8
485 2/8
IC2901(3/3) INVERTER
IC2901(1/3) INVERTER
IC2906 LEVEL SHIFT
IC2907 LEVEL SHIFT
D2914–2917 PROTECTOR
D2916
D2917
D2915
D2914
SWITCH Q2908
D2908 PROTECTOR
D2905 PROTECTOR
D2907 PROTECTOR
IC2905(1/4) COMPARATOR
IC2903(1/2) OP AMP
RV2901 O SET
INVERTER Q2906
IC2903(2/2) OP AMP
IC2905(2/4) COMPARATOR
INVERTER Q2906
INVERTER Q2907
IC2911 D.FF
D
CK
PR
CLR
Q
IC2905(4/4) COMPARATOR
IC2905(3/4) COMPARATOR
13.5V
D2911 REF
D2912 OR
D2913 OR
TP2902
3/8 WRCL
1/8 SMIX
SWITCH Q2903
INVERTER Q2901
INVERTER Q2904
D2906 PROTECTOR
SWITCH Q2910
SIRCS 2/8,7/8
INVERTER Q2905
INVERTER Q2909
BUFFER Q2911
D2909 PROTECTOR

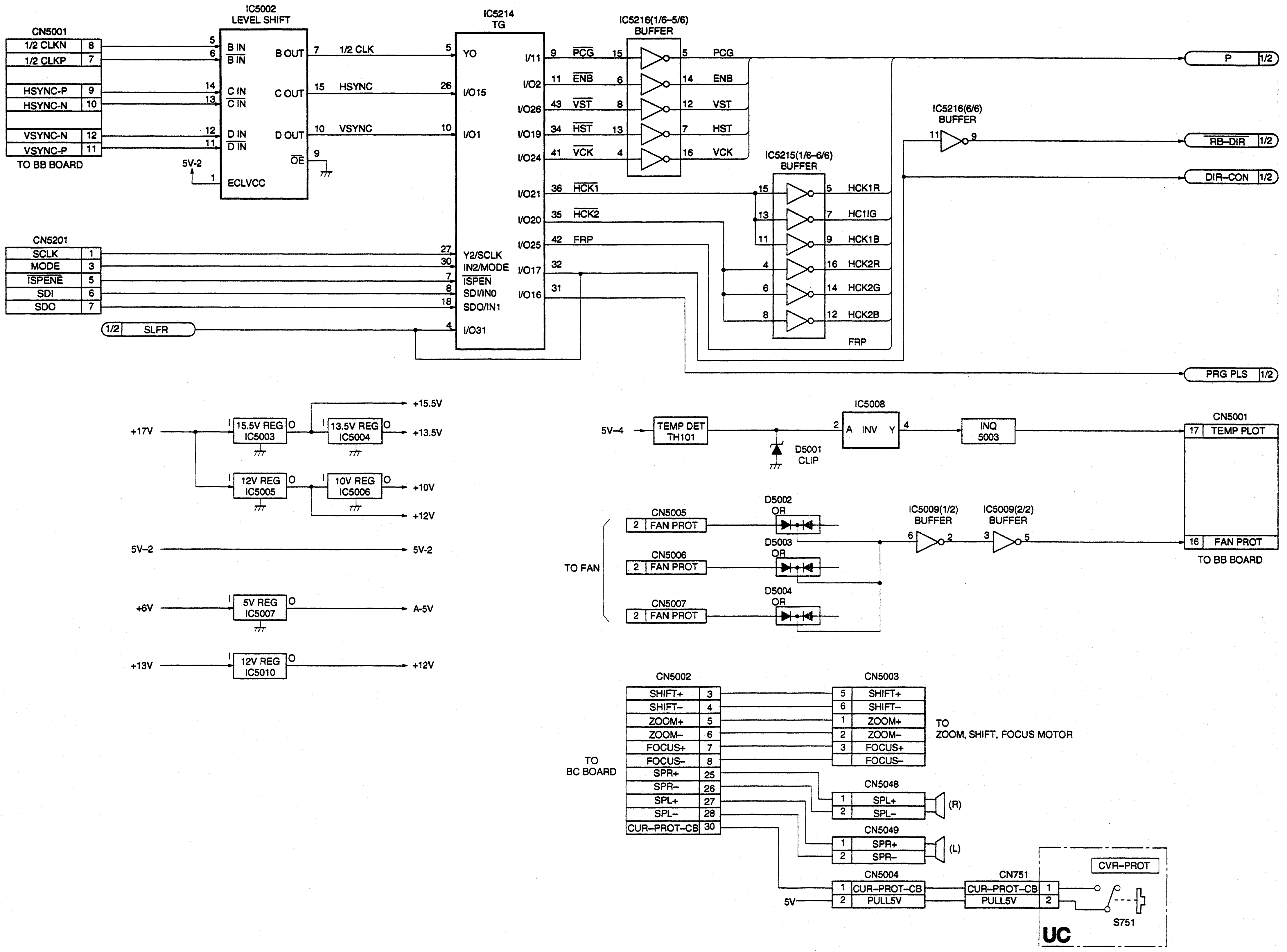
M BLOCK (8/8)

1
2
3
4
5

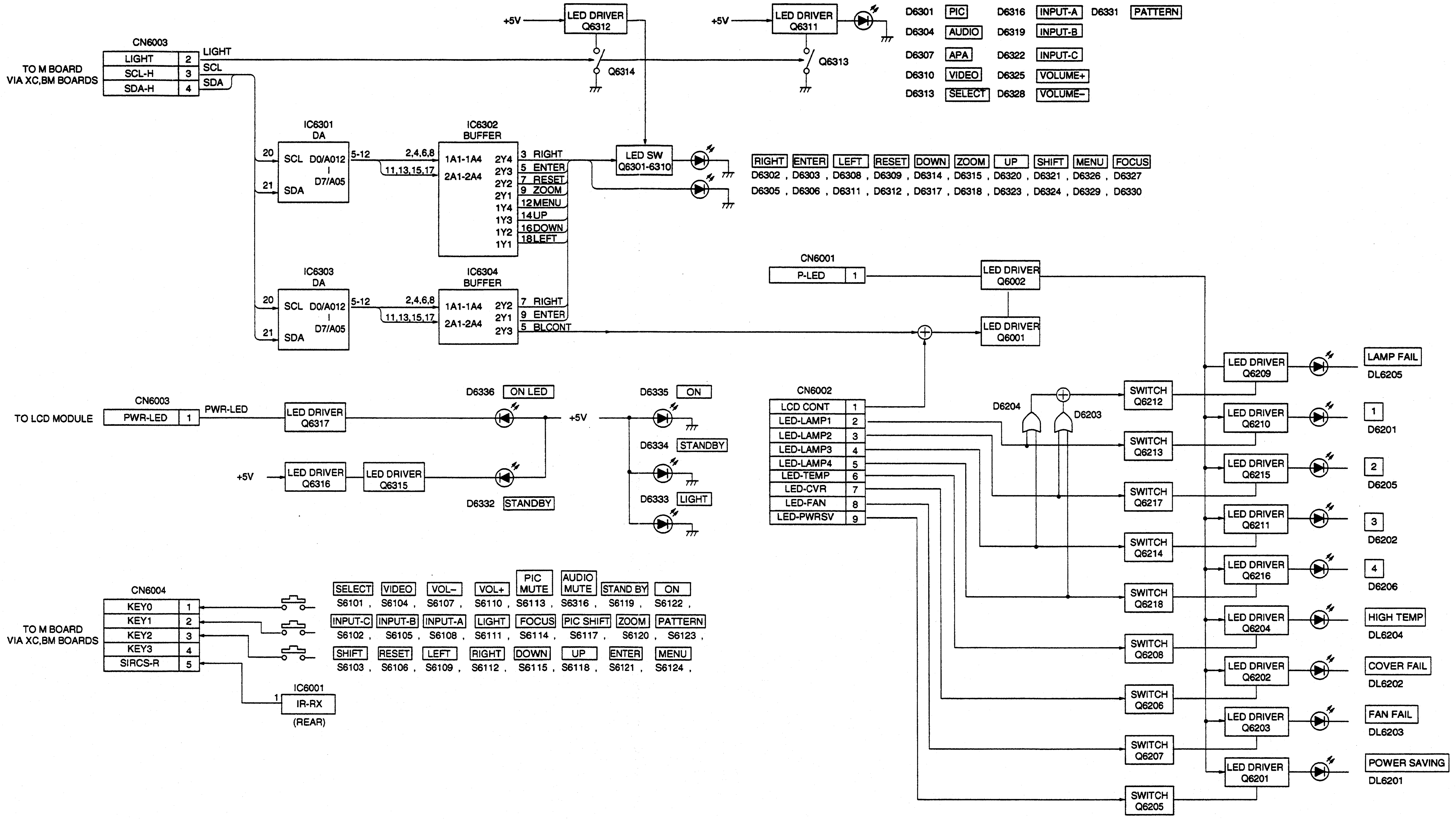
A B C D E F G H


1
2
3
4
5
CN5001
R 21
G 24
B 25
SDA 13
SCL 14
CRESET 15
TO BB BOARD
A–5V
R:IC5201(1/2)
G:IC5203(1/2)
B:IC5205(1/2)
AMP
R:IC5201(2/2)
G:IC5203(2/2)
B:IC5205(2/2)
AMP
R:IC5208
SWITCH
G:IC5208
SWITCH
B:IC5208
SWITCH
R:IC5202(1/2)
G:IC5204(1/2)
B:IC5206(1/2)
AMP
R:IC5202(2/2)
G:IC5204(2/2)
B:IC5206(2/2)
AMP
IC5210
V REF
A–5V
CN5001
18 RED–FB
19 GREEN–FB
20 BLUE–FB
TO BB BOAD
R:CN5404
G:CN5501
B:CN5303
26 DWN
IC5401
D/A
SDA
SCL
A01
A02
A03
A04
D7/A05
D6/A06
D5/A07
D4/A08
POS–CON1
POS–CON2
DOT–INV
DLY–COM
BUFFER
Q5401
BUFFER
Q5402
IC5404(1/2)
AND
IC5404(2/2)
AND
2/2 P
SLFR 2/2
2/2 DIR–CON
2/2 RB–DIR
G:
R,B:
IC5403
SWITCH
2/2 PRG PLS
R:IC5305
G:IC5501
B:IC5302
LCD DRIVER
VIDEO IN
FRP
ENB
DIR–CNT
CLK–OUT
CLK–IN
POS–CNT1
POS–CNT2
INV–CNT
DLY–CNT
SID IN
PRG
OFFSET
SID–OFST
SIG CEN
V COM OFST
MCLK
MCLK
NEXT–OUT
NEXT–IN
CLK–OUT
CLK–IN
SID–OUT
VCOM OUT
SH–OUT1
SH–OUT2
SH–OUT3
SH–OUT4
SH–OUT5
SH–OUT6
VID1
VID2
VID3
VID4
VID5
VID6
R:Q5501,Q5504,Q5505
G:Q5503,Q5508,Q5509
B:Q5502,Q5506,Q5507
BUFFER
1 PSIG
31 COM
3 VSIG1
4 VSIG2
5 VSIG3
6 VSIG4
7 VSIG5
8 VSIG6
16 RGT
17 HST
18 HCK2
19 HCK1
23 ENB
24 VCK
25 VST
9 VSIG7
10 VSIG8
11 VSIG9
12 VSIG10
13 VSIG11
14 VSIG12
DIR–CON
HST
HCK2
HCK1
ENB
VCK
VST
TO LCD PANEL
IC5402
D/A
SCL
SDA
IOC
A05
A04
A03
A02
A01
SID OFSET
SCEN
B–VCOM
G–VCOM
R–VCOM
R:IC5304
G:IC5502
B:IC5301
LCD DRIVER
ENB
DIR–CNT
POS–CNT1
POS–CNT2
DLY–CNT
NEXT–IN
NEXT–OUT
PRG
SID–OFST
OFFSET
SIG CEN
CLK–IN
V COM OFST
CLK–IN
MCLK
MCLK
POS–CON1
POS–CON2
DLY–COM
SH–OUT1
SH–OUT2
SH–OUT3
SH–OUT4
SH–OUT5
SH–OUT6
VID7
VID8
VID9
VID10
VID11
VID12
CN5001
MCLK–P 5
MCLK–N 6
TO BB BOAD

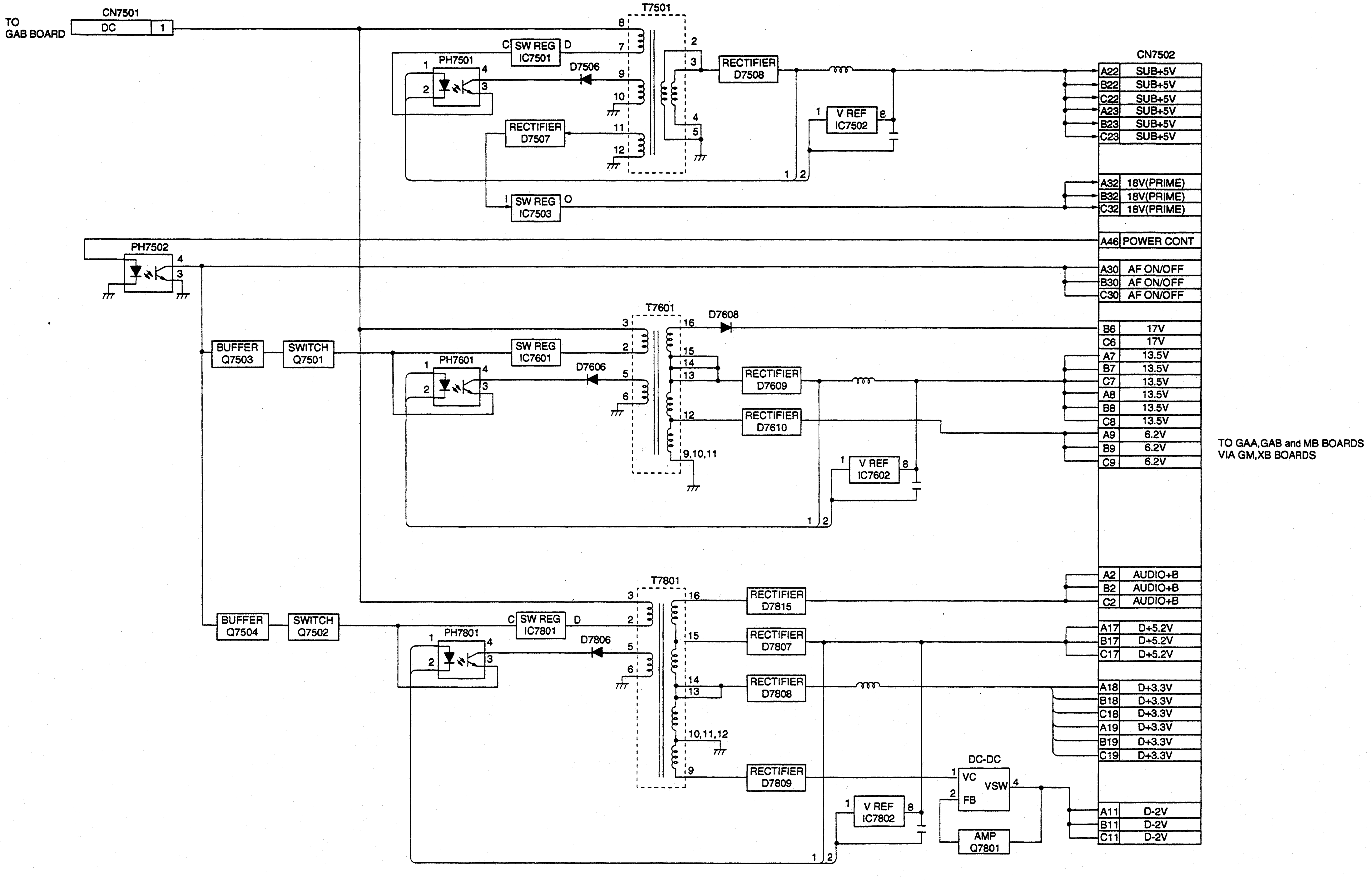
C BLOCK (1/2)


CN5001
1/2 CLKN 8
1/2 CLKP 7
HSYNC-P 9
HSYNC-N 10
VSYNC-N 12
VSYNC-P 11
TO BB BOARD
IC5002
LEVEL SHIFT
B IN
B IN
C IN
C IN
D IN
D IN
B OUT
C OUT
D OUT
OE
ECLVCC
5V-2
1/2 CLK
HSYNC
VSYNC
IC5214
TG
YO
I/O15
I/O1
I/11
I/O2
I/O26
I/O19
I/O24
I/O21
I/O20
I/O25
I/O17
I/O16
Y2/SCLK
IN2/MODE
ISPEN
SDI/IN0
SDO/IN1
I/O31
CN5201
SCLK 1
MODE 3
ISPENE 5
SDI 6
SDO 7
1/2 SLFR
PCG
ENB
VST
HST
VCK
HCK1
HCK2
FRP
IC5216(1/6–5/6)
BUFFER
IC5216(6/6)
BUFFER
IC5215(1/6–6/6)
BUFFER
HCK1R
HC1IG
HCK1B
HCK2R
HCK2G
HCK2B
FRP
P 1/2
RB-DIR 1/2
DIR-CON 1/2
PRG PLS 1/2
+17V
15.5V REG IC5003
13.5V REG IC5004
12V REG IC5005
10V REG IC5006
+15.5V
+13.5V
+10V
+12V
5V-2
5V-2
+6V
5V REG IC5007
A-5V
+13V
12V REG IC5010
+12V
5V–4
TEMP DET TH101
D5001 CLIP
IC5008
A INV Y
INQ 5003
CN5001
17 TEMP PLOT
16 FAN PROT
TO BB BOARD
TO FAN
CN5005 2 FAN PROT
CN5006 2 FAN PROT
CN5007 2 FAN PROT
D5002 OR
D5003 OR
D5004 OR
IC5009(1/2) BUFFER
IC5009(2/2) BUFFER
CN5002
SHIFT+ 3
SHIFT– 4
ZOOM+ 5
ZOOM– 6
FOCUS+ 7
FOCUS– 8
SPR+ 25
SPR– 26
SPL+ 27
SPL– 28
CUR-PROT-CB 30
TO BC BOARD
CN5003
5 SHIFT+
6 SHIFT–
1 ZOOM+
2 ZOOM–
3 FOCUS+
FOCUS–
TO ZOOM, SHIFT, FOCUS MOTOR
CN5048
1 SPL+
2 SPL–
(R)
CN5049
1 SPR+
2 SPR–
(L)
CN5004
1 CUR-PROT-CB
2 PULL5V
5V
CN751
CUR-PROT-CB 1
PULL5V 2
CVR-PROT
S751
UC

C (2/2),UC BLOCK

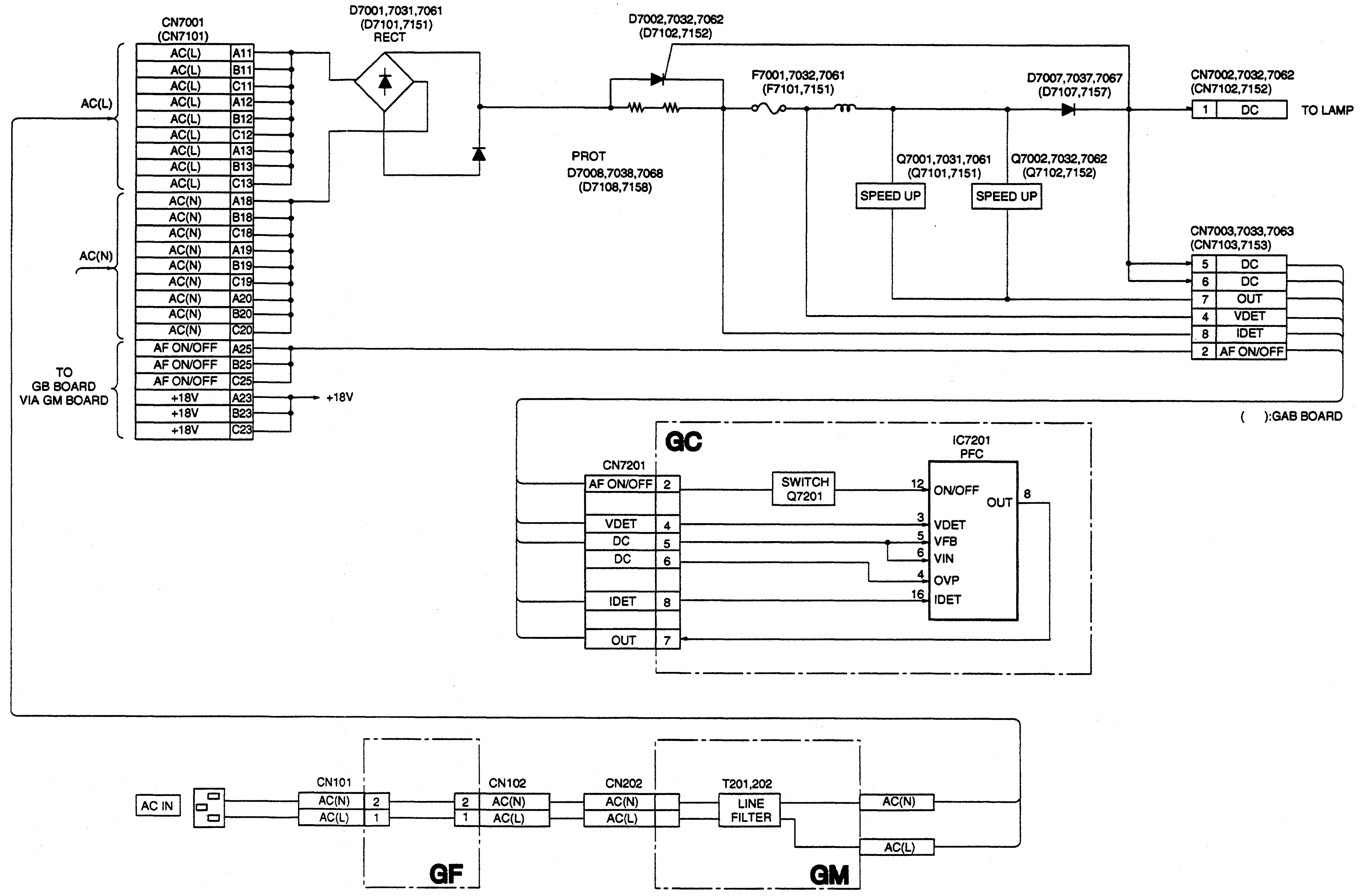

TO M BOARD
VIA XC,BM BOARDS
CN6003
LIGHT 2
SCL-H 3
SDA-H 4
LIGHT
SCL
SDA
+5V
LED DRIVER
Q6312
Q6314
LED DRIVER
Q6311
Q6313
D6301 PIC
D6304 AUDIO
D6307 APA
D6310 VIDEO
D6313 SELECT
D6316 INPUT-A
D6319 INPUT-B
D6322 INPUT-C
D6325 VOLUME+
D6328 VOLUME–
D6331 PATTERN
IC6301
DA
SCL D0/A012
D7/A05
SDA
20
21
5-12
2,4,6,8
11,13,15,17
IC6302
BUFFER
1A1-1A4
2A1-2A4
2Y4 2Y3 2Y2 2Y1 1Y4 1Y3 1Y2 1Y1
3 RIGHT
5 ENTER
7 RESET
9 ZOOM
12 MENU
14 UP
16 DOWN
18 LEFT
LED SW
Q6301-6310
RIGHT ENTER LEFT RESET DOWN ZOOM UP SHIFT MENU FOCUS
D6302 , D6303 , D6308 , D6309 , D6314 , D6315 , D6320 , D6321 , D6326 , D6327
D6305 , D6306 , D6311 , D6312 , D6317 , D6318 , D6323 , D6324 , D6329 , D6330
IC6303
DA
IC6304
BUFFER
2Y2 2Y1 2Y3
7 RIGHT
9 ENTER
5 BLCONT
CN6001
P-LED 1
LED DRIVER
Q6002
LED DRIVER
Q6001
TO LCD MODULE
CN6003
PWR-LED 1
PWR-LED
LED DRIVER
Q6317
D6336 ON LED
+5V
D6335 ON
D6334 STANDBY
D6333 LIGHT
LED DRIVER
Q6316
LED DRIVER
Q6315
D6332 STANDBY
CN6002
LCD CONT 1
LED-LAMP1 2
LED-LAMP2 3
LED-LAMP3 4
LED-LAMP4 5
LED-TEMP 6
LED-CVR 7
LED-FAN 8
LED-PWRSV 9
D6204
D6203
SWITCH Q6212
SWITCH Q6213
SWITCH Q6217
SWITCH Q6214
SWITCH Q6218
SWITCH Q6208
SWITCH Q6206
SWITCH Q6207
SWITCH Q6205
LED DRIVER Q6209
LED DRIVER Q6210
LED DRIVER Q6215
LED DRIVER Q6211
LED DRIVER Q6216
LED DRIVER Q6204
LED DRIVER Q6202
LED DRIVER Q6203
LED DRIVER Q6201
LAMP FAIL DL6205
1 D6201
2 D6205
3 D6202
4 D6206
HIGH TEMP DL6204
COVER FAIL DL6202
FAN FAIL DL6203
POWER SAVING DL6201
TO M BOARD
VIA XC,BM BOARDS
CN6004
KEY0 1
KEY1 2
KEY2 3
KEY3 4
SIRCS-R 5
SELECT VIDEO VOL– VOL+ PIC MUTE AUDIO MUTE STAND BY ON
S6101 , S6104 , S6107 , S6110 , S6113 , S6316 , S6119 , S6122 ,
INPUT-C INPUT-B INPUT-A LIGHT FOCUS PIC SHIFT ZOOM PATTERN
S6102 , S6105 , S6108 , S6111 , S6114 , S6117 , S6120 , S6123 ,
SHIFT RESET LEFT RIGHT DOWN UP ENTER MENU
S6103 , S6106 , S6109 , S6112 , S6115 , S6118 , S6121 , S6124 ,
IC6001
IR-RX
(REAR)
1

H BLOCK


TO GAB BOARD
CN7501
DC
1
T7501
8
7
9
10
11
12
2
3
4
5
C
SW REG
IC7501
D
PH7501
1
2
4
3
D7506
RECTIFIER
D7507
RECTIFIER
D7508
1
V REF
IC7502
8
1
2
I
SW REG
IC7503
O
PH7502
4
3
T7601
3
2
5
6
16
15
14
13
12
9,10,11
D7608
BUFFER
Q7503
SWITCH
Q7501
SW REG
IC7601
PH7601
1
2
4
3
D7606
RECTIFIER
D7609
RECTIFIER
D7610
1
V REF
IC7602
8
1
2
T7801
3
2
5
6
16
15
14
13
10,11,12
9
BUFFER
Q7504
SWITCH
Q7502
C
SW REG
IC7801
D
PH7801
1
2
4
3
D7806
RECTIFIER
D7815
RECTIFIER
D7807
RECTIFIER
D7808
RECTIFIER
D7809
DC-DC
1
VC
2
FB
VSW
4
AMP
Q7801
1
V REF
IC7802
8
1
2
CN7502
A22 SUB+5V
B22 SUB+5V
C22 SUB+5V
A23 SUB+5V
B23 SUB+5V
C23 SUB+5V
A32 18V(PRIME)
B32 18V(PRIME)
C32 18V(PRIME)
A46 POWER CONT
A30 AF ON/OFF
B30 AF ON/OFF
C30 AF ON/OFF
B6 17V
C6 17V
A7 13.5V
B7 13.5V
C7 13.5V
A8 13.5V
B8 13.5V
C8 13.5V
A9 6.2V
B9 6.2V
C9 6.2V
A2 AUDIO+B
B2 AUDIO+B
C2 AUDIO+B
A17 D+5.2V
B17 D+5.2V
C17 D+5.2V
A18 D+3.3V
B18 D+3.3V
C18 D+3.3V
A19 D+3.3V
B19 D+3.3V
C19 D+3.3V
A11 D-2V
B11 D-2V
C11 D-2V
TO GAA,GAB and MB BOARDS VIA GM,XB BOARDS

GB BLOCK

GAA (GAB), GC, GF, GM

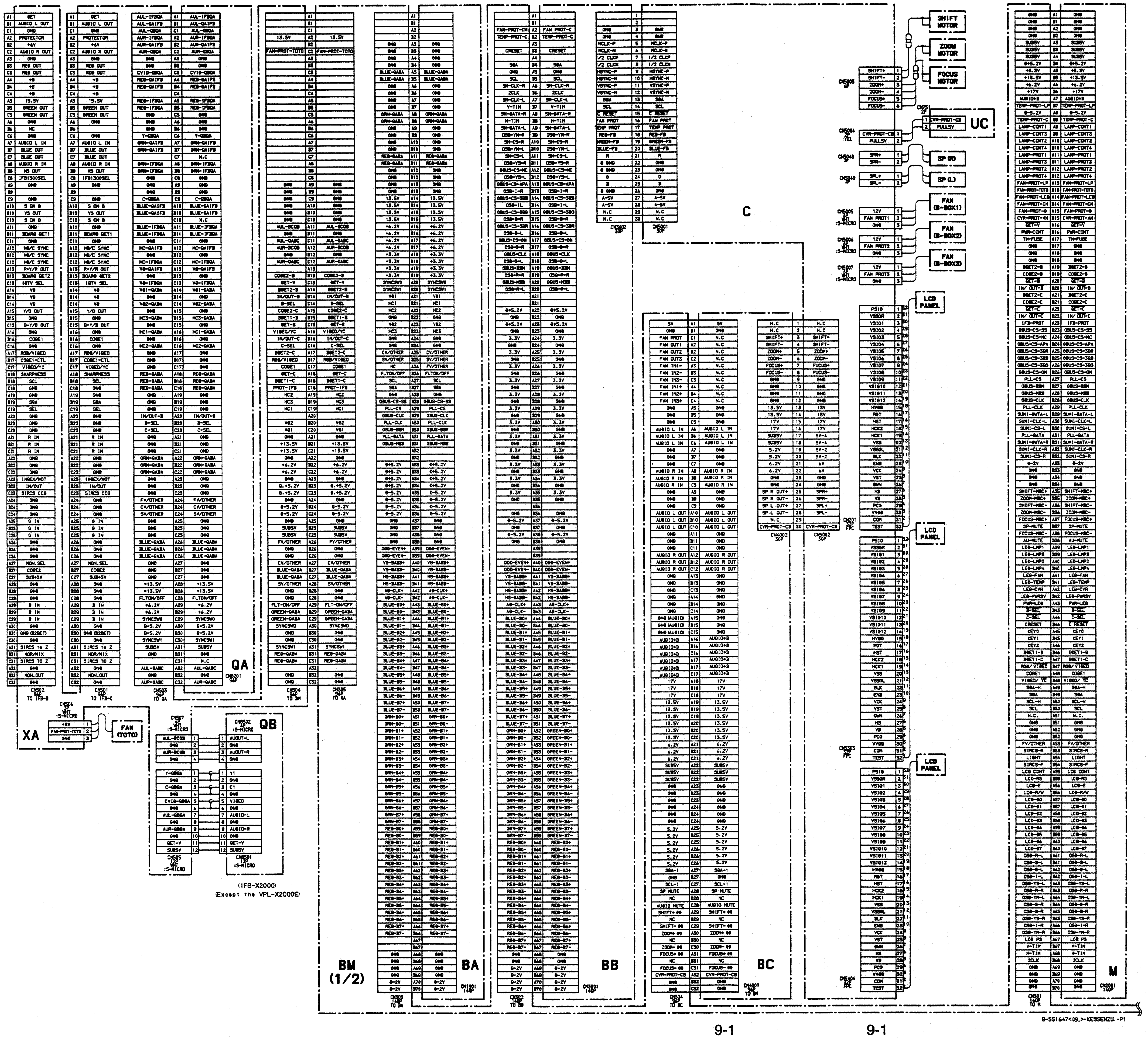

CN7001
(CN7101)
AC(L)
AC(L) A11
AC(L) B11
AC(L) C11
AC(L) A12
AC(L) B12
AC(L) C12
AC(L) A13
AC(L) B13
AC(L) C13
AC(N)
AC(N) A18
AC(N) B18
AC(N) C18
AC(N) A19
AC(N) B19
AC(N) C19
AC(N) A20
AC(N) B20
AC(N) C20
TO
GB BOARD
VIA GM BOARD
AF ON/OFF A25
AF ON/OFF B25
AF ON/OFF C25
+18V A23
+18V B23
+18V C23
+18V
D7001,7031,7061
(D7101,7151)
RECT
D7002,7032,7062
(D7102,7152)
PROT
D7008,7038,7068
(D7108,7158)
F7001,7032,7061
(F7101,7151)
D7007,7037,7067
(D7107,7157)
CN7002,7032,7062
(CN7102,7152)
1 DC
TO LAMP
Q7001,7031,7061
(Q7101,7151)
SPEED UP
Q7002,7032,7062
(Q7102,7152)
SPEED UP
CN7003,7033,7063
(CN7103,7153)
5 DC
6 DC
7 OUT
4 VDET
8 IDET
2 AF ON/OFF
( ):GAB BOARD
GC
CN7201
AF ON/OFF 2
VDET 4
DC 5
DC 6
IDET 8
OUT 7
SWITCH
Q7201
IC7201
PFC
12 ON/OFF
OUT 8
3 VDET
5 VFB
6 VIN
4 OVP
16 IDET
AC IN
CN101
AC(N) 2
AC(L) 1
CN102
2 AC(N)
1 AC(L)
GF
CN202
AC(N)
AC(L)
T201,202
LINE
FILTER
AC(N)
AC(L)
GM

GAA (GAB), GC, GF, GM BLOCK

8-28

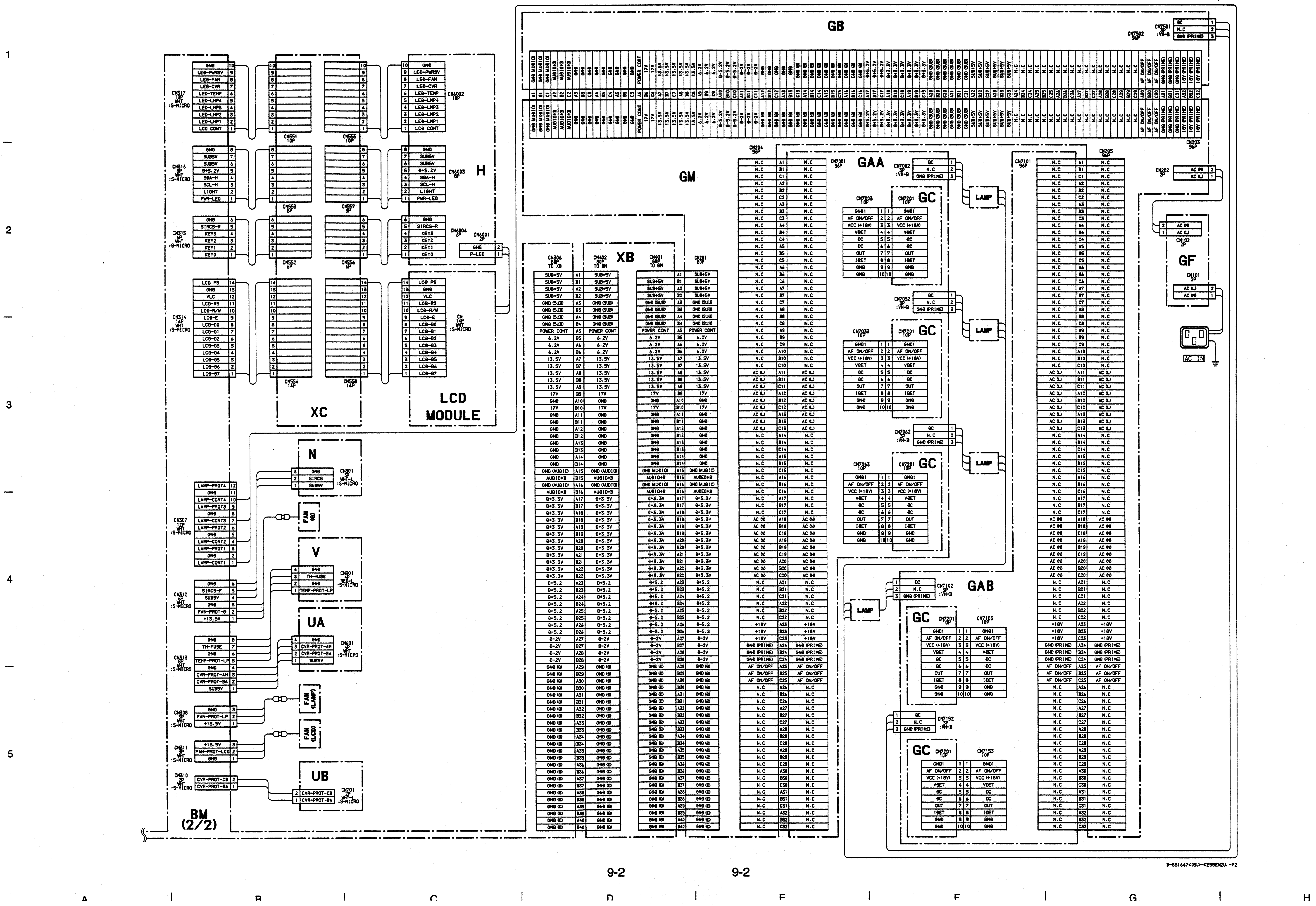
SECTION 9
DIAGRAMS

9-1. FRAME SCHEMATIC DIAGRAM


QA
XA
FAN (TOTO)
QB
(IFB-X2000)
(Except the VPL-X2000E)
BM (1/2)
BA
BB
C
BC
SHIFT MOTOR
ZOOM MOTOR
FOCUS MOTOR
UC
SP (R)
SP (L)
FAN (B-BOX1)
FAN (B-BOX2)
FAN (B-BOX3)
LCD PANEL
LCD PANEL
LCD PANEL
M
B-551647<09.>-KESSENZU -P1
1
2
3
4
5
A
B
C
D
E
F
G
H

FRAME (2/2)

FRAME (2/2)


GB
GM
GAA
GAB
GC
GF
XB
XC
H
LCD MODULE
N
V
UA
UB
BM (2/2)
FAN (G)
FAN (LAMP)
FAN (LCD)
LAMP
AC IN
CN317 10P WHT :S-MICRO
CN316 8P WHT :S-MICRO
CN315 6P WHT :S-MICRO
CN314 14P WHT :S-MICRO
CN307 12P WHT :S-MICRO
CN312 6P WHT :S-MICRO
CN313 8P WHT :S-MICRO
CN308 3P WHT :S-MICRO
CN311 3P WHT :S-MICRO
CN310 2P WHT :S-MICRO
CN551 10P
CN555 10P
CN553 8P
CN557 8P
CN552 6P
CN556 6P
CN554 14P
CN558 14P
CN6002 10P
CN6003 8P
CN6004 6P
CN6001 2P
CN 14P WHT :S-MICRO
CN801 3P WHT-L :S-MICRO
CN901 4P RED-L :S-MICRO
CN601 4P WHT :S-MICRO
CN701 2P WHT-L :S-MICRO
CN306 80P TO XB
CN402 80P TO BM
CN401 80P TO GM
CN201 80P
CN204 96P
CN7001 96P
CN7002 3P :VH-B
CN7003 10P
CN7201 10P
CN7032 3P :VH-B
CN7033 10P
CN7062 3P :VH-B
CN7063 10P
CN7101 96P
CN205 96P
CN7102 3P :VH-B
CN7103 10P
CN7152 3P :VH-B
CN7153 10P
CN7501 3P :VH-B
CN7502 96P
CN203 96P
CN202 2P
CN102 2P
CN101 2P
B-SS1647<09.>-KESSENZU -P2
1
2
3
4
5
A
B
C
D
E
F
G
H

9-2. SCHEMATIC DIAGRAMS/PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted.
  50WV or less are not indicated except for electrolytics.
  pF: μμF
- Indication of resistance, which does not have one for rating electrical power, is as follows.

  Pitch: 5 mm
  Rating electrical power 1/4W

- Chip resister are 1/10W unless otherwise noted.
- All resistors are in ohms. (MΩ = 1000KΩ, KΩ = 1000Ω)
- : nonflammable resistor.
- : fusible resistor.
- △ : internal component.
- □ : panel designation and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- METAL FILM (: RN) resister in 0.5% or 1%, 1/4W unless otherwise specified.
- All voltages are in V.
- Voltage variations may be noted due to normal production tolerance.
- Reading are taken with Composite Video and Component (R.G.B. HD, VD) color-bar signal input from color-bar pattern generator.
- Voltage are dc with respect to ground unless otherwise noted.
- no mark: Composite Video signal and comon
  (   ) : Component (R.G.B. HD, VD) signal (QA Board)
- : B+/B– line.
- ⇨ : signal path.
- Circled numbers are waveforms reference.
- #   : not use.

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

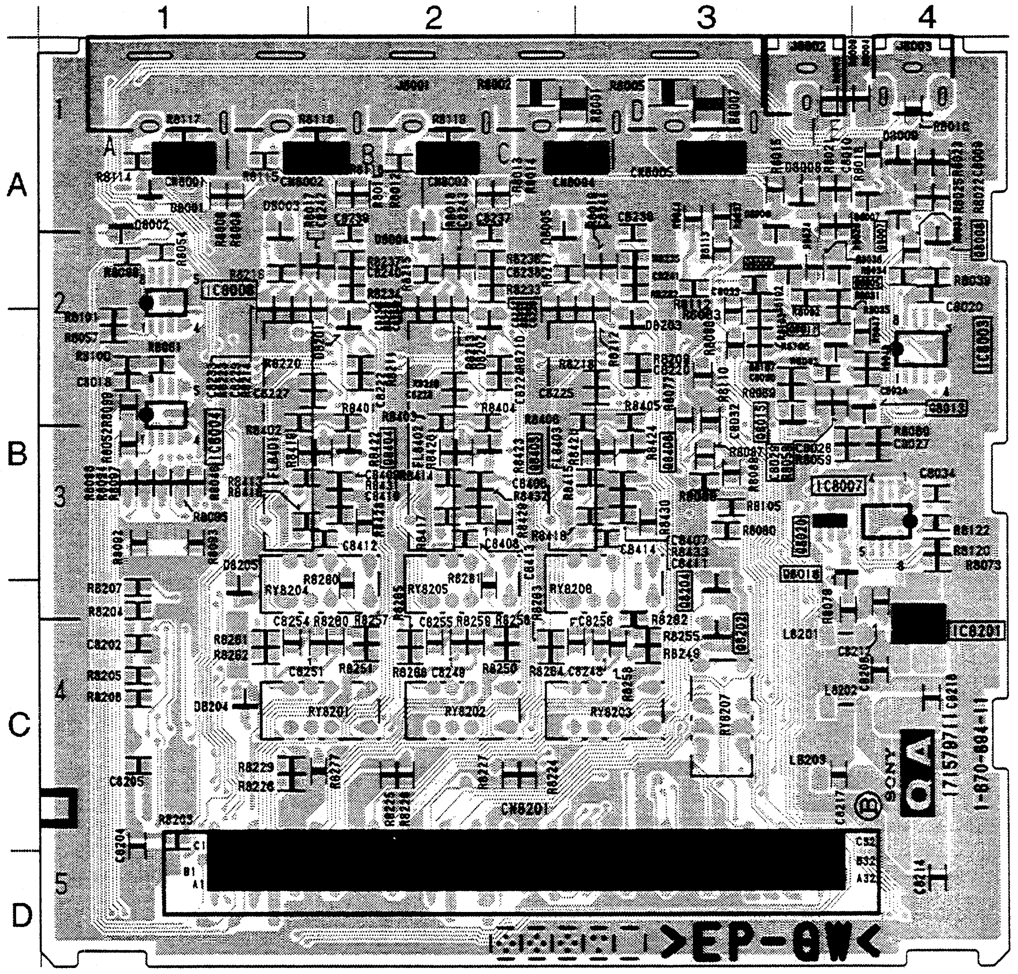
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

QA

1-670-894-11

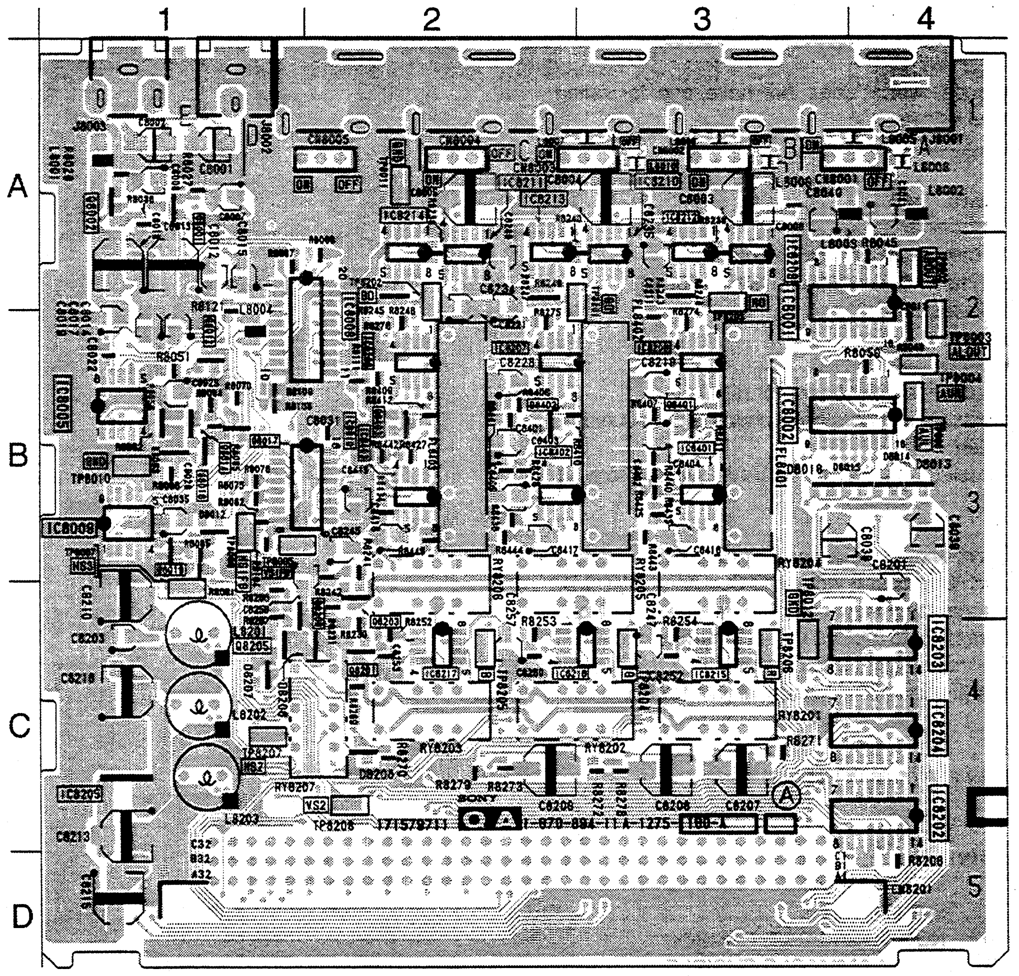
D8001	* A-1	Q8001	A-1
D8002	* A-1	Q8002	A-1
D8003	* A-1	Q8005	* A-3
D8004	* A-2	Q8006	* A-3
D8005	* A-2	Q8007	* A-4
D8006	* A-3	Q8008	* A-4
D8007	* A-4	Q8011	* B-3
D8008	* A-3	Q8012	B-1
D8009	* A-4	Q8013	* B-4
D8012	B-1	Q8014	B-1
D8013	B-4	Q8015	* B-3
D8014	B-4	Q8016	B-1
D8015	B-4	Q8017	B-1
D8016	B-3	Q8018	* B-3
D8201	* B-2	Q8019	B-1
D8202	* B-2	Q8020	* B-3
D8203	* B-3	Q8201	B-1
D8204	* C-1	Q8202	* C-3
D8205	* C-1	Q8203	C-2
D8206	C-2	Q8204	* C-3
D8207	C-1	Q8205	C-1
D8208	C-2	Q8206	C-2
		Q8401	B-3
IC8001	A-3	Q8402	B-2
IC8002	B-3	Q8403	B-2
IC8003	* B-4	Q8404	* B-2
IC8004	* B-1	Q8405	* B-2
IC8005	B-1	Q8406	* B-3
IC8006	* A-1		
IC8007	* B-4	TP8001	B-4
IC8008	B-2	TP8002	A-4
IC8009	B-1	TP8003	B-4
IC8010	B-2	TP8004	B-4
IC8201	* C-4	TP8005	B-1
IC8202	C-4	TP8006	B-1
IC8203	C-4	TP8007	B-1
IC8204	C-4	TP8010	B-1
IC8205	C-1	TP8011	A-2
IC8206	B-3	TP8012	C-3
IC8207	B-2	TP8201	A-3
IC8208	B-2	TP8202	A-2
IC8209	A-3	TP8203	A-3
IC8210	A-3	TP8204	C-3
IC8211	A-2	TP8205	C-2
IC8212	A-3	TP8206	C-3
IC8213	A-2	TP8207	C-1
IC8214	A-2	TP8208	C-2
IC8215	C-3		
IC8216	C-3		
IC8217	C-2		
IC8401	B-3		
IC8402	B-3		
IC8403	B-2		

*:B Side mount



QA – B SIDE –

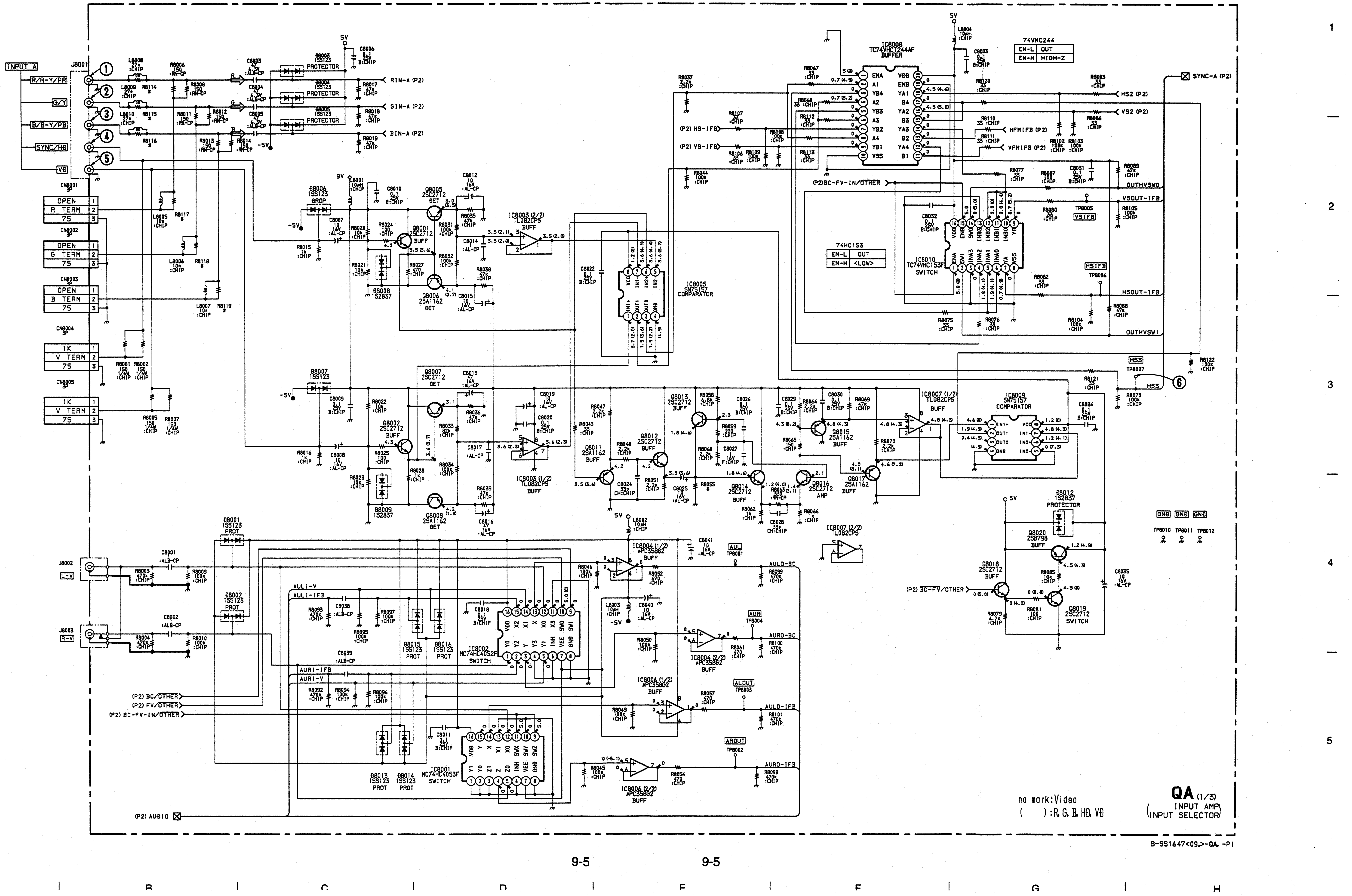
SUFFIX ; -11



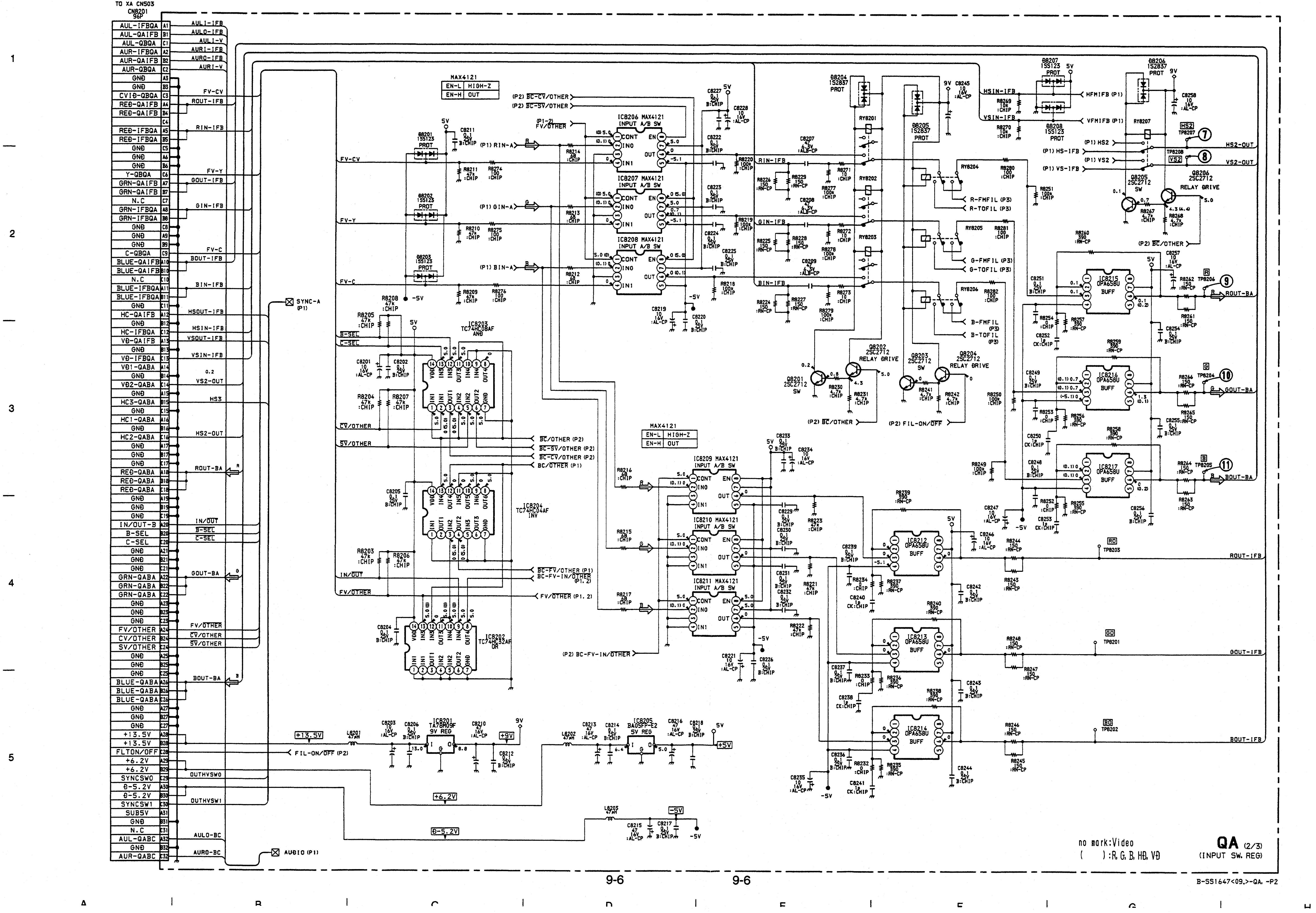
QA – A SIDE –

SUFFIX ; -11

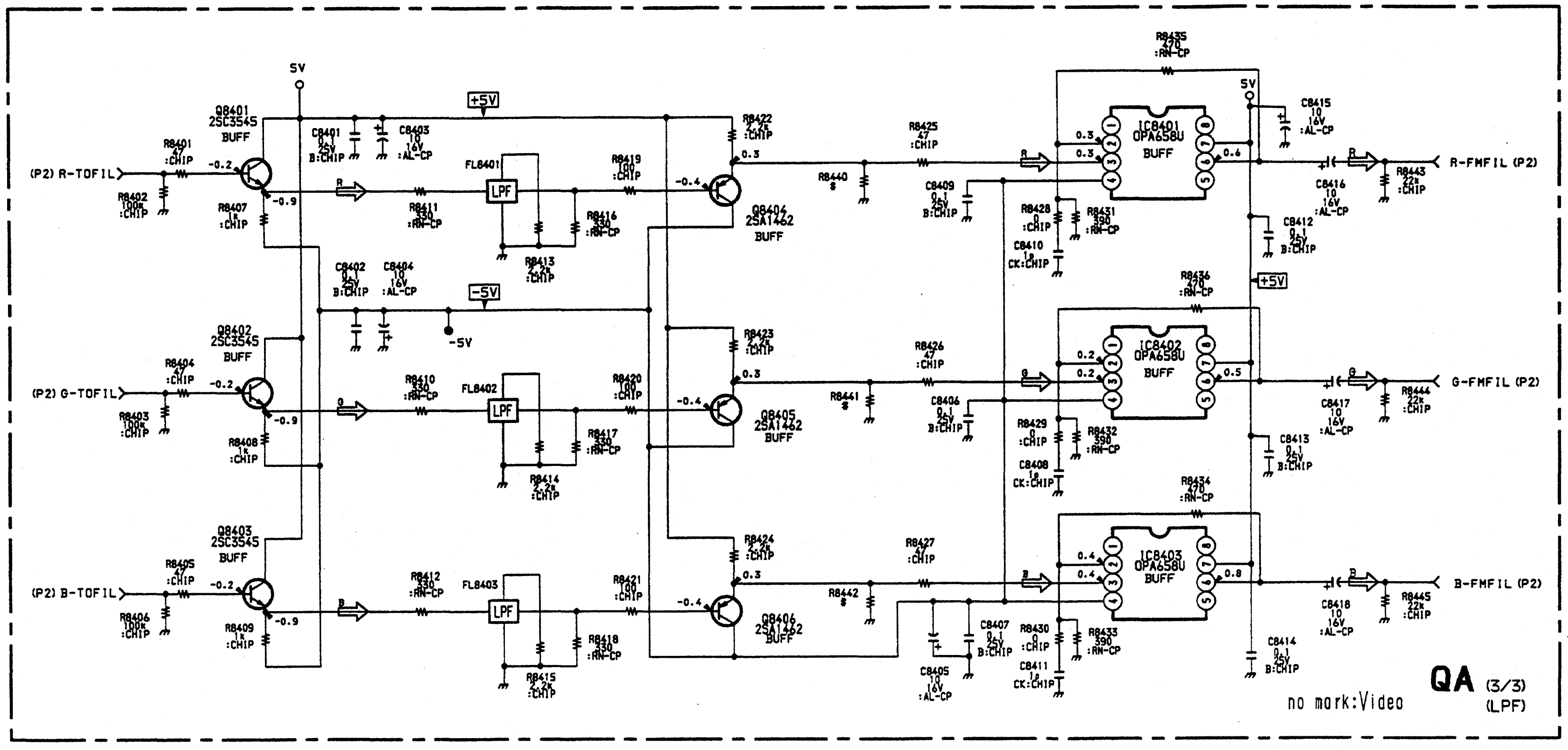
- Refer to page 9-4 for Printed Wiring Board
- Refer to page 9-7 for Waveforms
- Refer to page 9-8 for IC Block Diagrams


INPUT A
J8001
R/R-Y/PR
G/Y
B/B-Y/PB
SYNC/HD
VD
CN8001
OPEN
R TERM
75
CN8002
G TERM
CN8003
B TERM
CN8004
1K
V TERM
CN8005
D8003 1SS123 PROTECTOR
D8004 1SS123 PROTECTOR
D8005 1SS123 PROTECTOR
RIN-A (P2)
GIN-A (P2)
BIN-A (P2)
D8006 1SS123 DROP
Q8005 2SC2712 DET
Q8001 2SC2712 BUFF
Q8006 2SA1162 DET
D8008 1S2837
IC8003 (2/2) TL082CPS BUFF
IC8005 SN75157 COMPARATOR
D8007 1SS123
Q8007 2SC2712 DET
Q8002 2SC2712 BUFF
Q8008 2SA1162 DET
D8009 1S2837
IC8003 (1/2) TL082CPS BUFF
Q8013 2SC2712 BUFF
Q8011 2SA1162 BUFF
Q8012 2SC2712 BUFF
Q8014 2SC2712 BUFF
Q8015 2SA1162 BUFF
Q8016 2SC2712 AMP
Q8017 2SA1162 BUFF
IC8007 (1/2) TL082CPS BUFF
IC8007 (2/2) TL082CPS
IC8009 SN75157 COMPARATOR
IC8008 TC74VHCT244AF BUFFER
74VHC244
EN-L OUT
EN-H HIGH-Z
(P2) HS-IFB
(P2) VS-IFB
HS2 (P2)
VS2 (P2)
HFMIFB (P2)
VFMIFB (P2)
SYNC-A (P2)
(P2)BC-FV-IN/OTHER
OUTHVSW0
VSOUT-IFB
VSIFB
74HC153
EN-L OUT
EN-H <LOW>
IC8010 TC74VHC153F SWITCH
HSIFB
HSOUT-IFB
OUTHVSW1
HS3
TP8007
D8012 1S2837 PROTECTOR
Q8020 2SB798 BUFF
Q8018 2SC2712 BUFF
Q8019 2SC2712 SWITCH
(P2) BC-FV/OTHER
GND GND GND
TP8010 TP8011 TP8012
J8002
L-V
J8003
R-V
D8001 1SS123 PROT
D8002 1SS123 PROT
AULI-V
AULI-IFB
AURI-IFB
AURI-V
D8015 1SS123 PROT
D8016 1SS123 PROT
IC8002 MC74HC4052F SWITCH
IC8004 (1/2) μPC35802 BUFF
IC8004 (2/2) μPC35802 BUFF
IC8006 (1/2) μPC35802 BUFF
IC8006 (2/2) μPC35802 BUFF
AUL TP8001
AUR TP8004
ALOUT TP8003
AROUT TP8002
AULO-BC
AURO-BC
AULO-IFB
AURO-IFB
(P2) BC/OTHER
(P2) FV/OTHER
(P2) BC-FV-IN/OTHER
D8013 1SS123 PROT
D8014 1SS123 PROT
IC8001 MC74HC4053F SWITCH
(P2) AUDIO
no mark:Video
( ):R,G,B,HD,VD
QA (1/3)
(INPUT AMP INPUT SELECTOR)
B-SS1647<09>-QA -P1
1
2
3
4
5
A
B
C
D
E
F
G
H

- Refer to page 9-4 for Printed Wiring Board
- Refer to page 9-7 for Waveforms
- Refer to page 9-8 for IC Block Diagrams

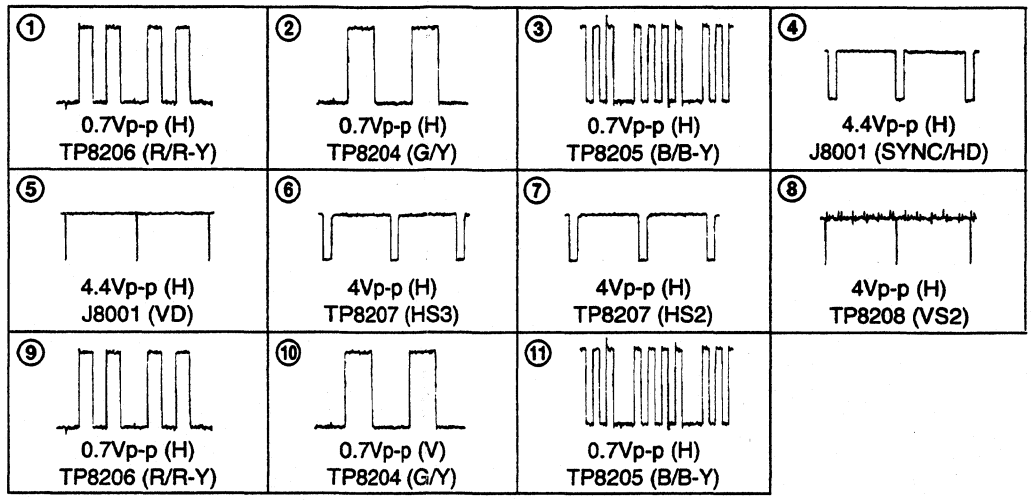

TO XA CN503
CN8201 96P
AUL-IFBQA
AUL-QAIFB
AUL-QBQA
AUR-IFBQA
AUR-QAIFB
AUR-QBQA
CVID-QBQA
RED-QAIFB
RED-IFBQA
Y-QBQA
GRN-QAIFB
GRN-IFBQA
C-QBQA
BLUE-QAIFB
BLUE-IFBQA
HC-QAIFB
HC-IFBQA
VD-QAIFB
VD-IFBQA
VD1-QABA
VD2-QABA
HC3-QABA
HC1-QABA
HC2-QABA
RED-QABA
IN/OUT-B
B-SEL
C-SEL
GRN-QABA
FV/OTHER
CV/OTHER
SV/OTHER
BLUE-QABA
+13.5V
FLTON/OFF
+6.2V
SYNCSW0
D-5.2V
SYNCSW1
SUBSV
N.C
AUL-QABC
AUR-QABC
GND
SYNC-A (P1)
AUDIO (P1)
MAX4121
EN-L HIGH-Z
EN-H OUT
IC8206 MAX4121 INPUT A/B SW
IC8207 MAX4121 INPUT A/B SW
IC8208 MAX4121 INPUT A/B SW
IC8209 MAX4121 INPUT A/B SW
IC8210 MAX4121 INPUT A/B SW
IC8211 MAX4121 INPUT A/B SW
IC8203 TC74HC08AF AND
IC8204 TC74HC04AF INV
IC8202 TC74HC32AF OR
IC8201 TA78M09F 9V REG
IC8205 BA05FP-E2 5V REG
IC8212 OPA658U BUFF
IC8213 OPA658U BUFF
IC8214 OPA658U BUFF
IC8215 OPA658U BUFF
IC8216 OPA658U BUFF
IC8217 OPA658U BUFF
RY8201
RY8202
RY8203
RY8204
RY8205
RY8206
RY8207
Q8201 2SC2712 SW
Q8202 2SC2712 RELAY DRIVE
Q8203 2SC2712 SW
Q8204 2SC2712 RELAY DRIVE
Q8205 2SC2712 SW
Q8206 2SC2712 RELAY DRIVE
HS2-OUT
VS2-OUT
ROUT-BA
GOUT-BA
BOUT-BA
ROUT-IFB
GOUT-IFB
BOUT-IFB
FIL-ON/OFF (P2)
no mark:Video
( ):R, G, B, HD, VD
QA (2/3) (INPUT SW. REG)

- Refer to page 9-4 for Printed Wiring Board
- Refer to page 9-7 for Waveforms
- Refer to page 9-8 for IC Block Diagrams


5V
+5V
-5V
(P2) R-TOFIL
(P2) G-TOFIL
(P2) B-TOFIL
Q8401 2SC3545 BUFF
Q8402 2SC3545 BUFF
Q8403 2SC3545 BUFF
Q8404 2SA1462 BUFF
Q8405 2SA1462 BUFF
Q8406 2SA1462 BUFF
R8401 47 :CHIP
R8402 100k :CHIP
R8403 100k :CHIP
R8404 47 :CHIP
R8405 47 :CHIP
R8406 100k :CHIP
R8407 1k :CHIP
R8408 1k :CHIP
R8409 1k :CHIP
R8410 330 :RN-CP
R8411 330 :RN-CP
R8412 330 :RN-CP
R8413 2.2k :CHIP
R8414 2.2k :CHIP
R8415 2.2k :CHIP
R8416 330 :RN-CP
R8417 330 :RN-CP
R8418 330 :RN-CP
R8419 100 :CHIP
R8420 100 :CHIP
R8421 100 :CHIP
R8422 2.2k :CHIP
R8423 2.2k :CHIP
R8424 2.2k :CHIP
R8425 47 :CHIP
R8426 47 :CHIP
R8427 47 :CHIP
R8428 0 :CHIP
R8429 0 :CHIP
R8430 0 :CHIP
R8431 390 :RN-CP
R8432 390 :RN-CP
R8433 390 :RN-CP
R8434 470 :RN-CP
R8435 470 :RN-CP
R8436 470 :RN-CP
R8440 *
R8441 *
R8442 *
R8443 22k :CHIP
R8444 22k :CHIP
R8445 22k :CHIP
C8401 0.1 25V B:CHIP
C8402 0.1 25V B:CHIP
C8403 10 16V :AL-CP
C8404 10 16V :AL-CP
C8405 10 16V :AL-CP
C8406 0.1 25V B:CHIP
C8407 0.1 25V B:CHIP
C8408 1p CK:CHIP
C8409 0.1 25V B:CHIP
C8410 1p CK:CHIP
C8411 1p CK:CHIP
C8412 0.1 25V B:CHIP
C8413 0.1 25V B:CHIP
C8414 0.1 25V B:CHIP
C8415 10 16V :AL-CP
C8416 10 16V :AL-CP
C8417 10 16V :AL-CP
C8418 10 16V :AL-CP
FL8401
FL8402
FL8403
LPF
IC8401 OPA658U BUFF
IC8402 OPA658U BUFF
IC8403 OPA658U BUFF
R
G
B
-0.2
-0.9
-0.4
0.3
0.2
0.4
0.5
0.6
0.8
R-FMFIL (P2)
G-FMFIL (P2)
B-FMFIL (P2)
no mark:Video
QA (3/3) (LPF)

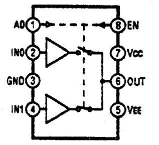
B-SS1647<09.>-QA. -P3

QA Board Waveforms

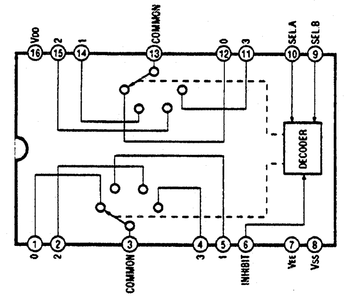


QA Board IC Block Diagrams

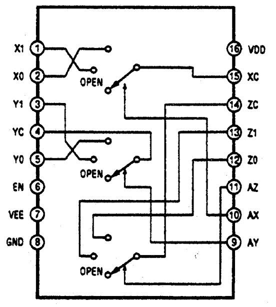
MAX4121CSA-TE2 (IC8206 – 8211)


A0
IN0
GND
IN1
EN
Vcc
OUT
VEE

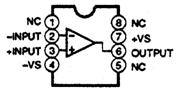
MC74HC4052AF-T2 (IC8002)


VDD
2
1
COMMON
0
3
SEL.A
SEL.B
DECODER
0
2
COMMON
3
1
INHIBIT
VEE
VSS

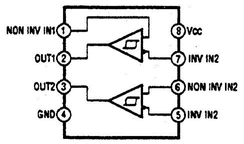
MC74HC4053F-T2 (IC8001)


X1
X0
Y1
YC
Y0
EN
VEE
GND
VDD
XC
ZC
Z1
Z0
AZ
AX
AY
OPEN
OPEN
OPEN

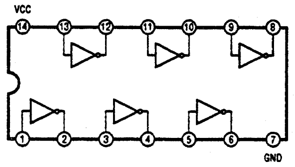
OPA658U-T2 (IC8012 – 8017, 8401 – 8403)


NC
-INPUT
+INPUT
-VS
NC
+VS
OUTPUT
NC

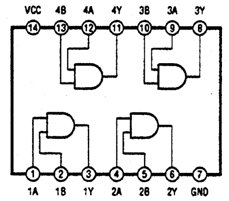
SN75157 (IC8009)


NON INV IN1
OUT1
OUT2
GND
Vcc
INV IN2
NON INV IN2
INV IN2

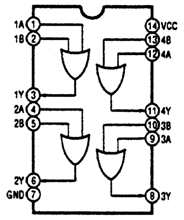
TC74HC04AF1 (IC8204)



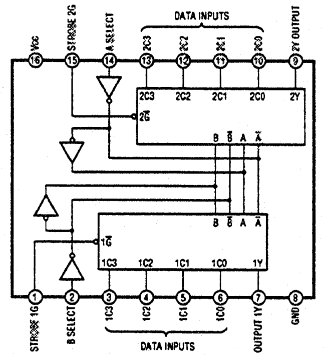
TC74HC08AF (IC8203)

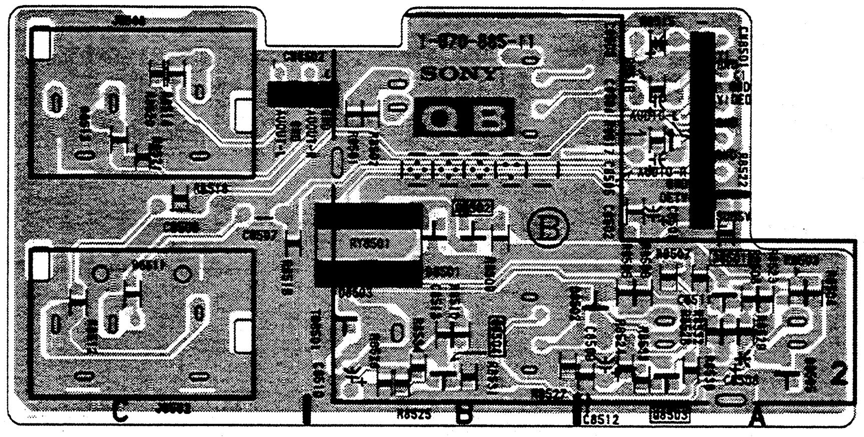

VCC
4B
4A
4Y
3B
3A
3Y
1A
1B
1Y
2A
2B
2Y
GND

TC74HC32AF (IC8202)


1A
1B
1Y
2A
2B
2Y
GND
VCC
4B
4A
4Y
3B
3A
3Y

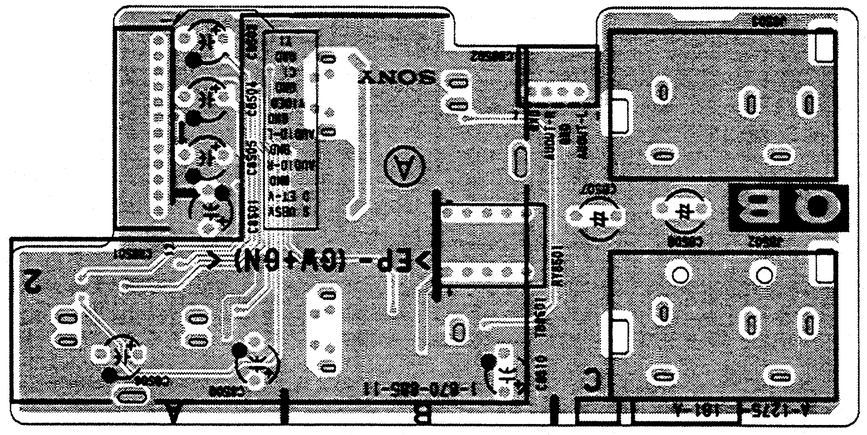
TC 74VHC153F (IC8010)


VCC
STROBE 2G
A SELECT
DATA INPUTS
2C3
2C2
2C1
2C0
2Y OUTPUT
2G
B
A
1G
1C3
1C2
1C1
1C0
1Y
STROBE 1G
B SELECT
DATA INPUTS
OUTPUT 1Y
GND


SONY
QB
B
C
1
B
A
2

QB – B SIDE –

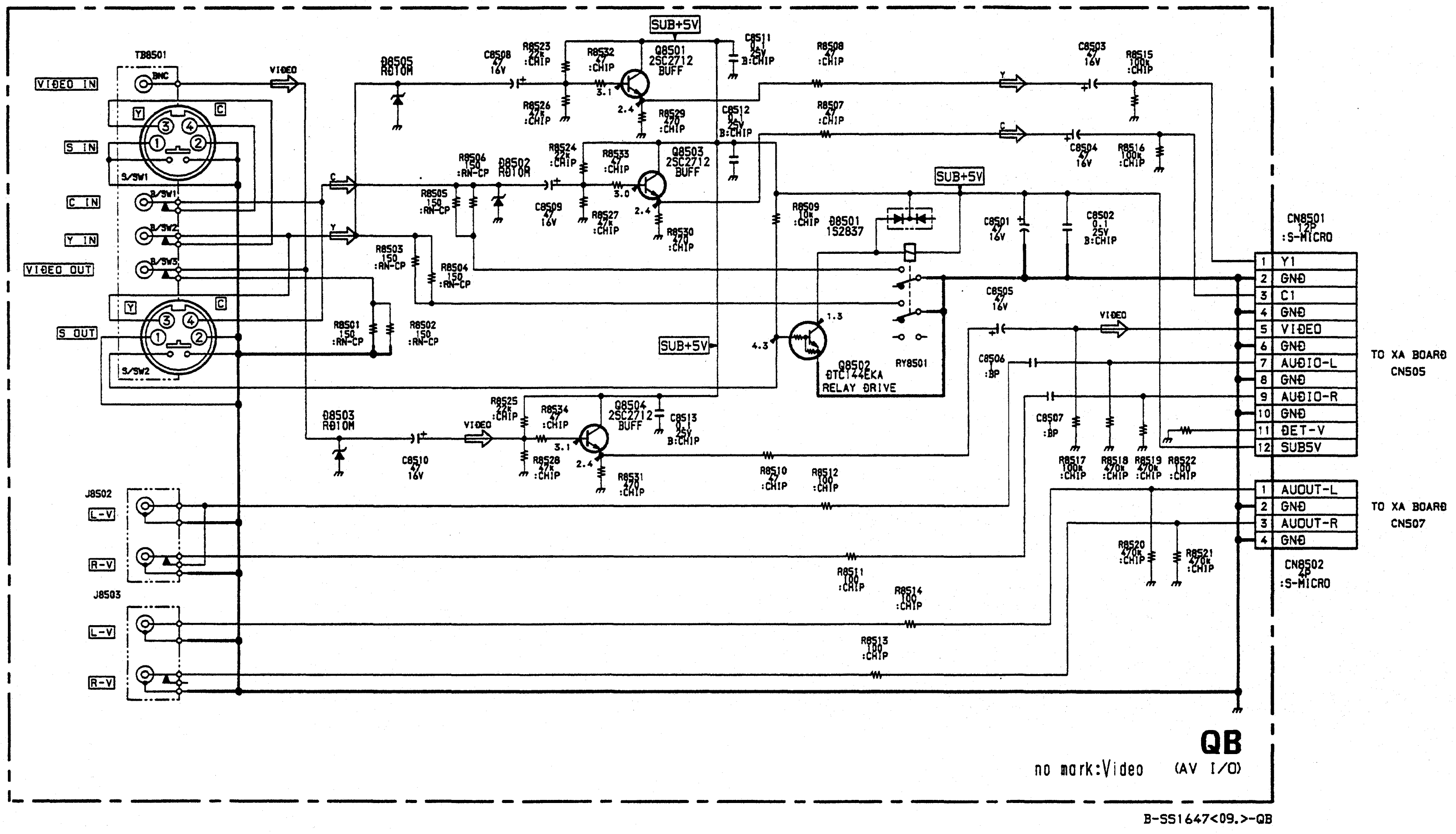
SUFFIX ; -11


SONY
QB
A
2
A
1
B
C

QB – A SIDE –

SUFFIX ; -11

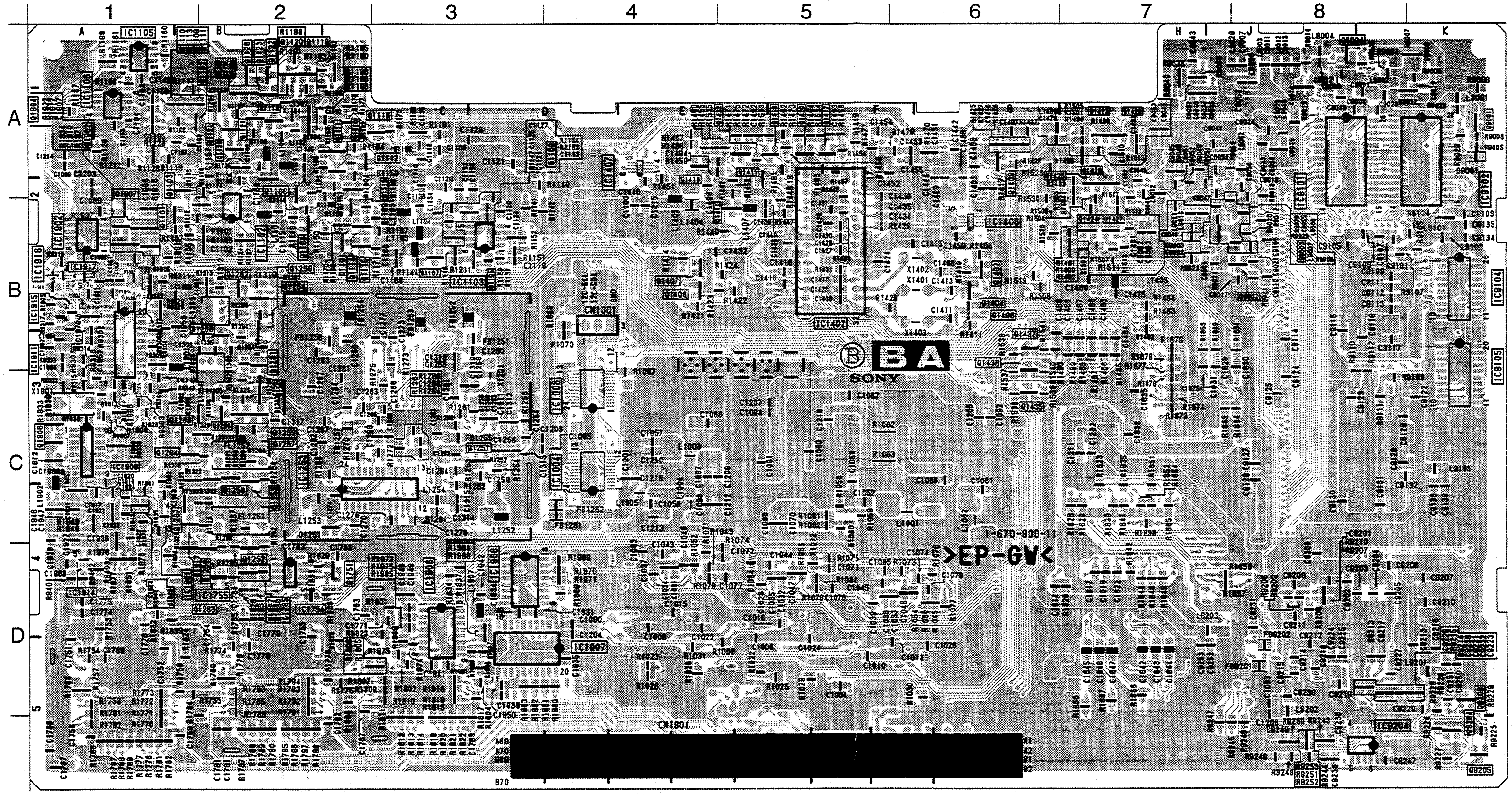
- Refer to page 9-8 for Printed Wiring Board


VIDEO IN
S IN
C IN
Y IN
VIDEO OUT
S OUT
TB8501
J8502
J8503
L-V
R-V
SUB+5V
Q8501 2SC2712 BUFF
Q8503 2SC2712 BUFF
Q8504 2SC2712 BUFF
Q8502 DTC144EKA RELAY DRIVE
RY8501
D8501 1S2837
D8502 RD10M
D8503 RD10M
D8505 RD10M
VIDEO
CN8501 12P :S-MICRO
1 Y1
2 GND
3 C1
4 GND
5 VIDEO
6 GND
7 AUDIO-L
8 GND
9 AUDIO-R
10 GND
11 DET-V
12 SUB5V
TO XA BOARD CN505
1 AUOUT-L
2 GND
3 AUOUT-R
4 GND
CN8502 4P :S-MICRO
TO XA BOARD CN507
QB
no mark:Video
(AV I/O)
B-SS1647<09.>-QB

	VPL-X2000U/X2000M	VPL-X2000E
C8501	47 16V	#
C8503	47 16V	#
C8504	47 16V	#
C8505	47 16V	#
C8506	1 :BP	#
C8507	1 :BP	#
C8508	47 16V	#
C8509	47 16V	#
C8510	47 16V	#
C8511	0.1 25V B:CHIP	#
C8512	0.1 25V B:CHIP	#
C8513	0.1 25V B:CHIP	#
D8501	1S2837	#
D8502	RD10M	#
D8503	RD10M	#
D8505	RD10M	#
J8502		#
Q8501	2SC2712	#
Q8502	DTC144EKA	#
Q8503	2SC2712	#
Q8504	2SC2712	#
R8501	150 :RN-CP	#
R8502	150 :RN-CP	#
R8503	150 :RN-CP	#
R8504	150 :RN-CP	#
R8505	150 :RN-CP	#
R8506	150 :RN-CP	#
R8507	47 :CHIP	#
R8508	47 :CHIP	#
R8509	10k :CHIP	#
R8510	47 :CHIP	#
R8511	100 :CHIP	#
R8512	100 :CHIP	#
R8522	100 :CHIP	#
R8523	22k :CHIP	#
R8524	22k :CHIP	#
R8525	22k :CHIP	#
R8526	47k :CHIP	#
R8527	47k :CHIP	#
R8528	47k :CHIP	#
R8529	470 :CHIP	#
R8530	470 :CHIP	#
R8531	470 :CHIP	#
R8532	47 :CHIP	#
R8533	47 :CHIP	#
R8534	47 :CHIP	#
RY8501		#
TB8501		#

: not use.

BA BA



BA – B SIDE –

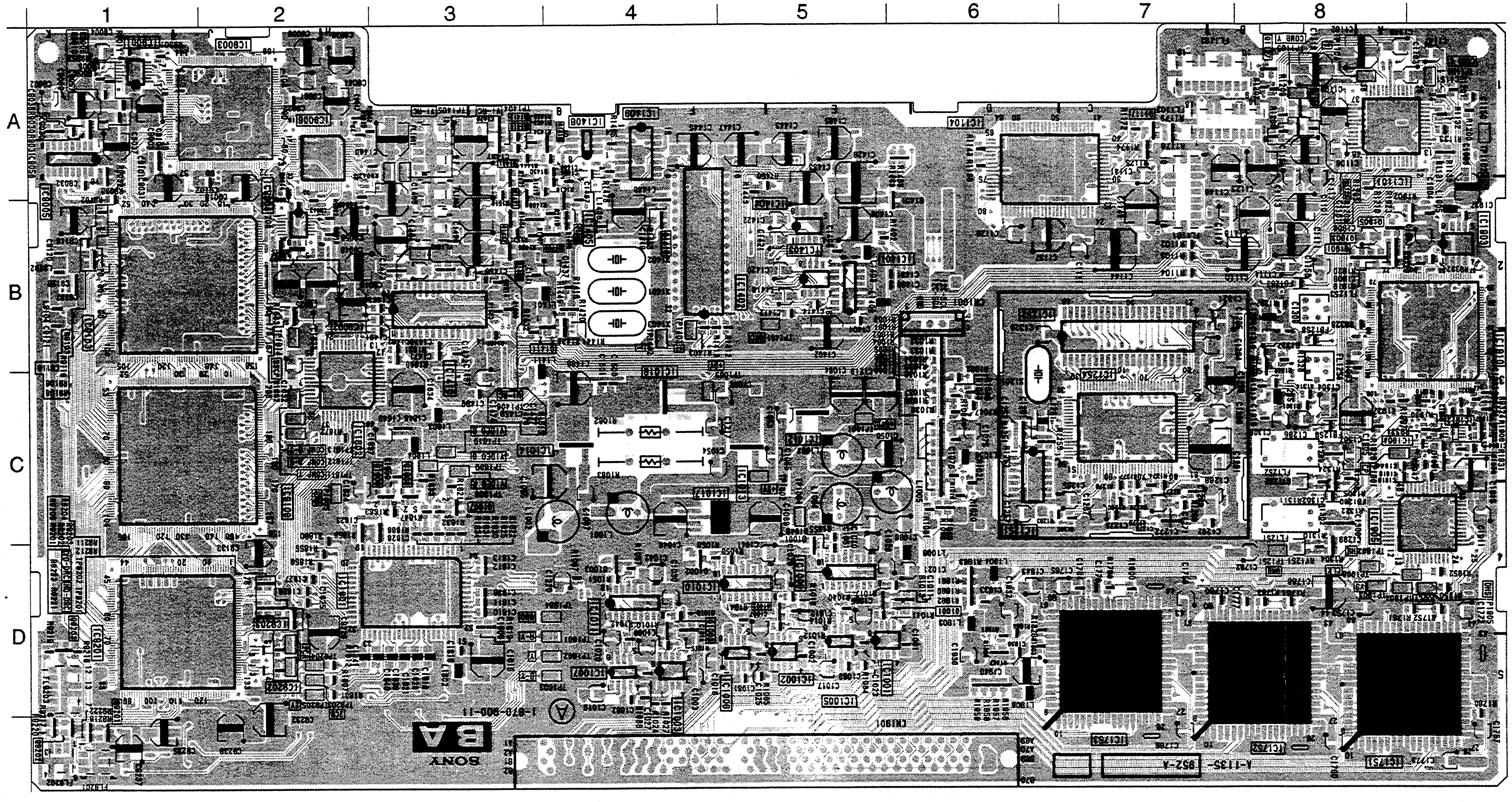
SUFFIX ; -11

BA

1-670-900-11

D1001	C-5
D1002	D-4
D1003	D-3
D1101	*B-2
D1401	B-6
D1901	C-8
D9001	*A-8
IC1001	D-5
IC1002	D-5
IC1003	D-4
IC1004	*C-4
IC1005	D-5
IC1006	D-5
IC1007	D-4
IC1008	*C-4
IC1009	D-5
IC1010	D-5
IC1011	D-4
IC1012	C-5
IC1013	C-5
IC1014	C-3
IC1016	C-4
IC1017	C-4
IC1101	A-8
IC1102	*B-2
IC1103	*B-3
IC1104	A-6
IC1105	*A-1
IC1106	*A-1
IC1251	C-6
IC1252	B-7
IC1253	*C-2
IC1254	C-7
IC1401	B-9
IC1402	B-4
IC1403	B-5
IC1404	A-5
IC1405	B-4
IC1406	A-4
IC1407	*A-4
IC1408	*B-6
IC1409	A-4
IC1410	C-3
IC1601	D-3
IC1602	C-2
IC1751	D-8
IC1752	D-8
IC1753	D-7
IC1754	*D-2
IC1755	*D-2
IC1901	*C-1
IC1902	*B-1
IC1903	B-8
IC1904	C-8
IC1905	C-8
IC1906	*D-3
IC1907	*D-3
IC1908	*D-3
IC1909	*C-1
IC1910	B-8
IC1911	*B-1
IC1912	C-8
IC1914	*D-1
IC1915	*B-1
IC1916	*B-1
IC1917	*B-1
IC9001	A-1
IC9003	A-2
IC9004	A-2
IC9005	A-1
IC9006	A-2
IC9101	*A-8
IC9102	*A-8
IC9103	B-1
IC9104	*B-8
IC9105	*C-8
IC9106	C-1
IC9201	D-1
IC9202	D-2
IC9203	D-2
IC9204	*D-8
Q1001	D-5
Q1002	D-5
Q1003	D-4
Q1101	*B-1
Q1102	*A-1
Q1103	*A-1
Q1105	*B-3
Q1106	*A-2
Q1107	*B-3
Q1108	*B-2
Q1110	*A-2
Q1111	*A-2
Q1112	*A-2
Q1113	*A-2
Q1114	*B-2
Q1115	*B-2
Q1116	*A-3
Q1117	A-7
Q1118	*A-2
Q1119	*A-2
Q1120	*A-2
Q1121	*A-2
Q1122	*A-2
Q1123	*A-2
Q1124	*A-2
Q1125	*A-2
Q1126	*A-2
Q1127	A-8
Q1128	A-8
Q1129	A-8
Q1251	*C-3
Q1252	*D-2
Q1253	*C-2
Q1254	*B-2
Q1255	*C-2
Q1256	*B-2
Q1257	*C-2
Q1258	*C-2
Q1259	*D-2
Q1260	*C-2
Q1261	*B-2
Q1262	*B-2
Q1263	*C-1
Q1264	*C-1
Q1265	B-8
Q1266	*C-1
Q1267	*C-1
Q1268	*B-2
Q1401	B-3
Q1402	*B-6
Q1403	B-4
Q1404	*B-6
Q1405	B-4
Q1406	*B-6
Q1407	*B-4
Q1408	*B-4
Q1409	*A-6
Q1410	A-3
Q1411	B-3
Q1412	A-3
Q1413	A-4
Q1414	*B-5
Q1415	*A-5
Q1416	B-4
Q1417	*A-5
Q1418	*A-4
Q1419	*A-5
Q1420	*A-5
Q1422	*A-5
Q1423	*A-7
Q1424	*B-7
Q1425	*A-7
Q1426	*A-7
Q1427	*B-7
Q1428	*A-7
Q1430	B-3
Q1431	A-3
Q1432	B-3
Q1435	*C-6
Q1436	*B-6
Q1437	*B-6
Q1607	C-3
Q1608	C-3
Q1609	C-3
Q1751	*D-2
Q1901	B-8
Q1902	*B-1
Q1903	B-8
Q1904	*A-1
Q1905	B-8
Q1906	*C-1
Q1907	*B-1
Q9001	*A-8
Q9002	*B-8
Q9003	*B-8
Q9004	*A-8
Q9201	D-1
Q9202	D-1
Q9203	D-1
Q9204	*D-8
Q9205	*D-8
Q9206	*D-8
TP1001	C-5
TP1002	C-5
TP1003	C-5
TP1004	C-5
TP1005	C-2
TP1102	A-8
TP1104	A-8
TP1105	A-8
TP1106	A-8
TP1251	D-8
TP1401	B-5
TP1402	B-4
TP1403	B-4
TP1404	A-3
TP1405	A-3
TP1406	C-3
TP1601	D-4
TP1602	D-4
TP1603	D-4
TP1604	D-4
TP1608	C-3
TP1609	C-3
TP1610	C-3
TP1611	C-2
TP1612	C-2
TP1613	C-2
TP1614	B-2
TP1901	C-8
TP1902	D-8
TP1903	D-8
TP1904	D-8
TP1905	D-8
TP1906	D-8
TP9201	D-1
TP9202	D-1
TP9203	D-2
TP9204	D-2
TP9205	D-2

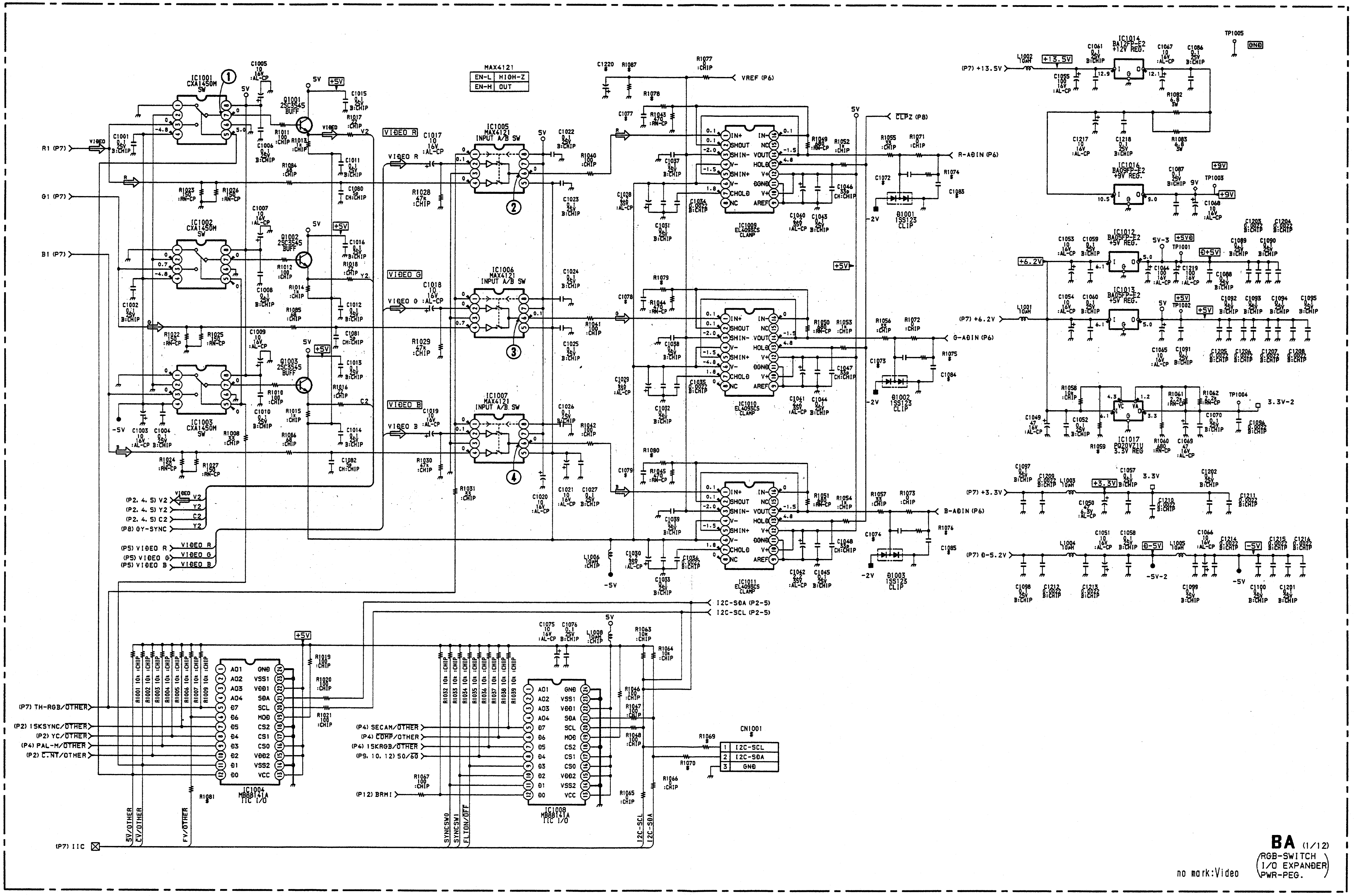
*:B Side mount


1
2
3
4
5
6
7
8
A
B
C
D
BA
SONY
1-670-900-11

BA - A SIDE -

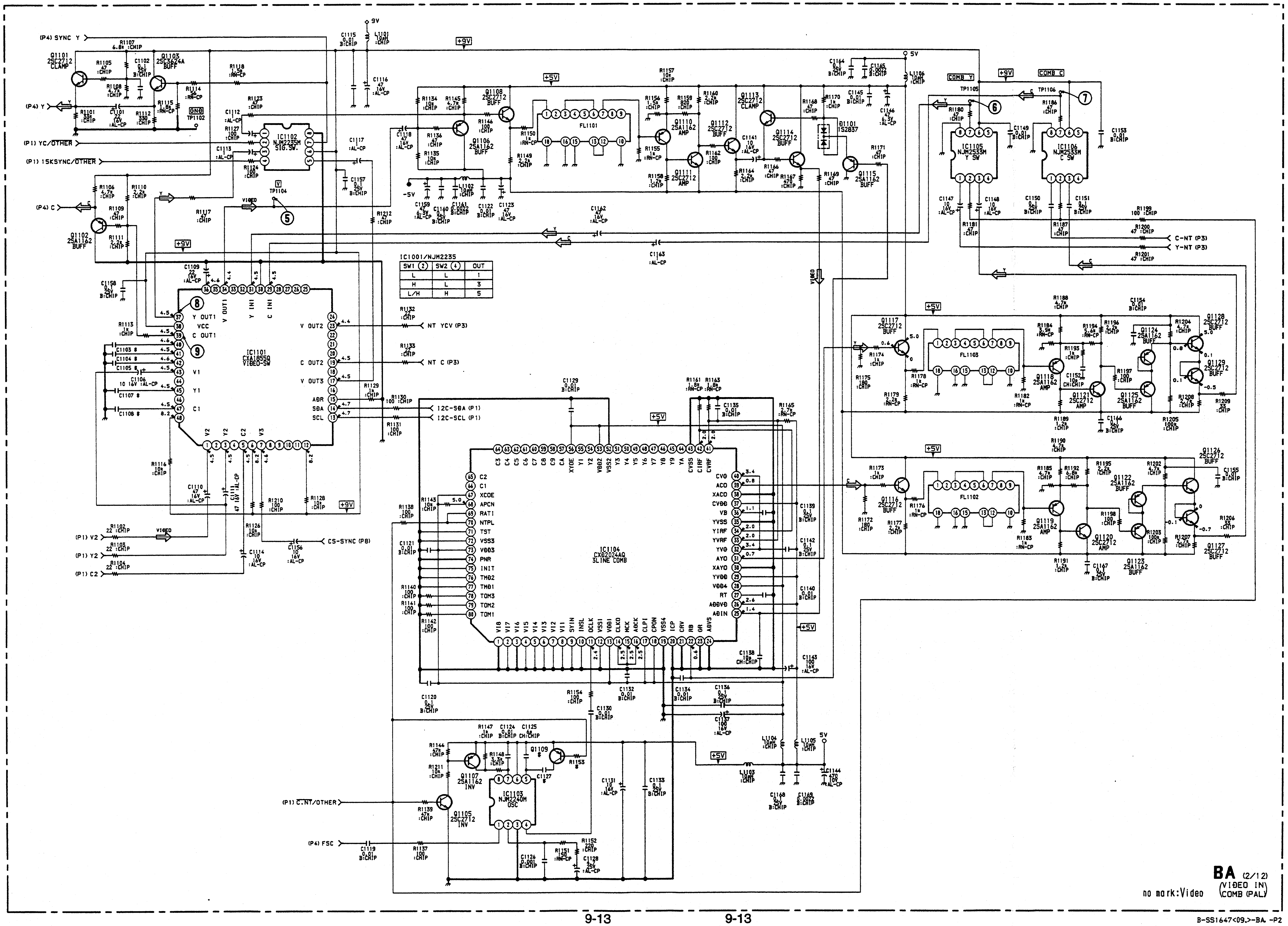
SUFFIX ; -11

- Refer to page 9-10, 9-11 for Printed Wiring Board
- Refer to page 9-24 for Waveforms
- Refer to page 9-24, 9-25, 9-26 for IC Block Diagrams


IC1001 CXA1450M SW
IC1002 CXA1450M SW
IC1003 CXA1450M SW
Q1001 2SC3545 BUFF
Q1002 2SC3545 BUFF
Q1003 2SC3545 BUFF
MAX4121
EN-L HIGH-Z
EN-H OUT
IC1005 MAX4121 INPUT A/B SW
IC1006 MAX4121 INPUT A/B SW
IC1007 MAX4121 INPUT A/B SW
IC1009 EL4093CS CLAMP
IC1010 EL4093CS CLAMP
IC1011 EL4093CS CLAMP
D1001 1SS123 CLIP
D1002 1SS123 CLIP
D1003 1SS123 CLIP
IC1014 BA12FP-E2 +12V REG.
IC1016 BA09FP-E2 +9V REG.
IC1012 BA05FP-E2 +5V REG.
IC1013 BA05FP-E2 +5V REG.
IC1017 PQ20VZ1U 3.3V REG
IC1004 MB88141A IIC I/O
IC1008 MB88141A IIC I/O
CN1001
I2C-SCL
I2C-SDA
GND
R1 (P7)
G1 (P7)
B1 (P7)
VREF (P6)
CLPZ (P8)
R-ADIN (P6)
G-ADIN (P6)
B-ADIN (P6)
(P7) +13.5V
(P7) +6.2V
(P7) +3.3V
(P7) D-5.2V
(P2, 4, 5) V2
(P2, 4, 5) Y2
(P2, 4, 5) C2
(P8) GY-SYNC
(P5) VIDEO R
(P5) VIDEO G
(P5) VIDEO B
I2C-SDA (P2-5)
I2C-SCL (P2-5)
(P7) TH-RGB/OTHER
(P2) 15KSYNC/OTHER
(P2) YC/OTHER
(P4) PAL-M/OTHER
(P2) C.NT/OTHER
(P4) SECAM/OTHER
(P4) COMP/OTHER
(P4) 15KRGB/OTHER
(P9, 10, 12) 50/60
(P12) BRMI
(P7) IIC
TP1005
TP1003
TP1001
TP1002
TP1004
3.3V-2
-5V-2
BA (1/12)
RGB-SWITCH
I/O EXPANDER
PWR-REG.
no mark:Video

B-SS1647<09.>-BA. -P1

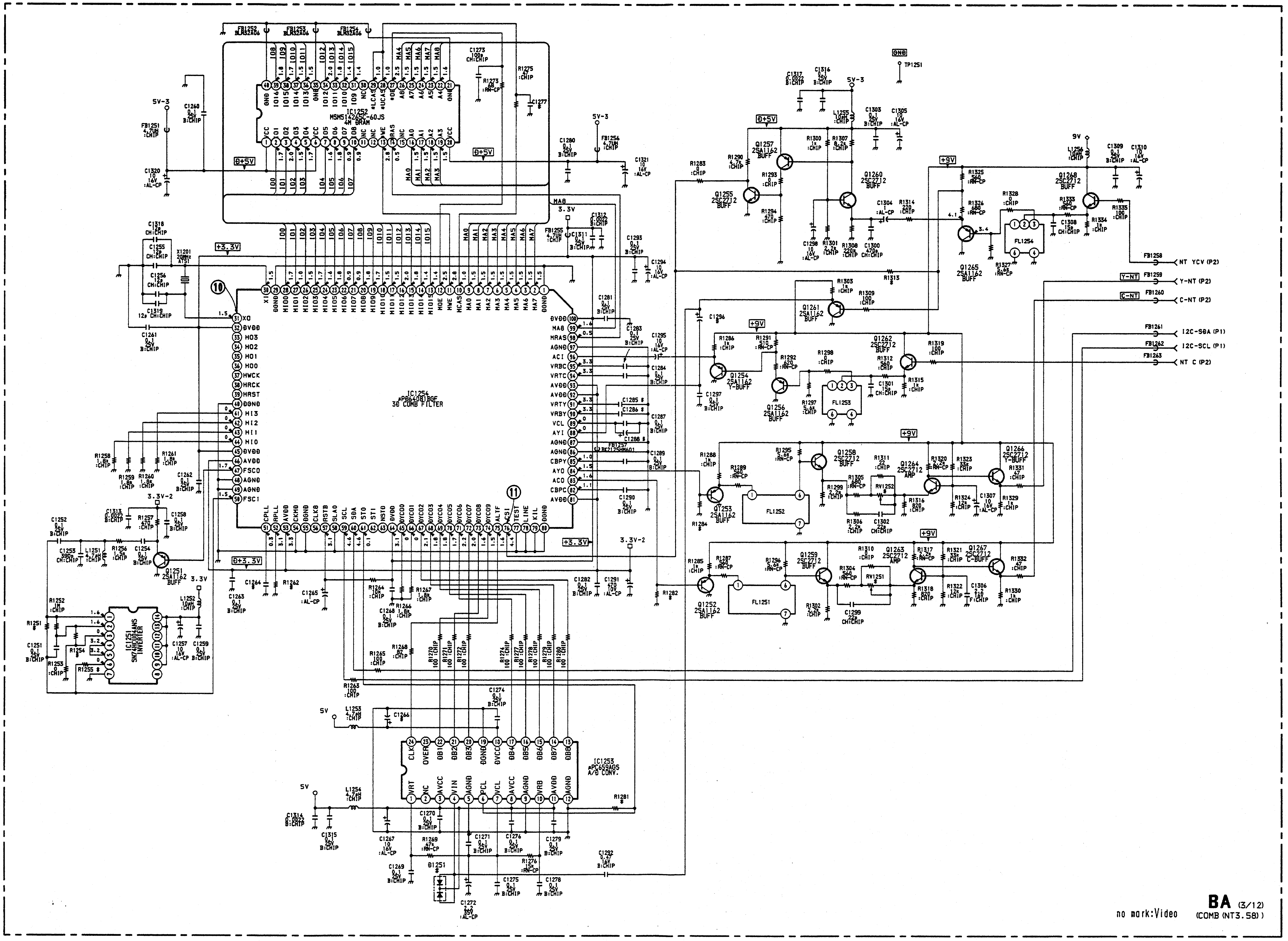
- Refer to page 9-10, 9-11 for Printed Wiring Board
- Refer to page 9-24 for Waveforms
- Refer to page 9-24, 9-25, 9-26 for IC Block Diagrams


(P4) SYNC Y
(P4) Y
(P1) YC/OTHER
(P1) 15KSYNC/OTHER
(P4) C
(P1) V2
(P1) Y2
(P1) C2
(P1) C.NT/OTHER
(P4) FSC
CS-SYNC (P8)
I2C-SDA (P1)
I2C-SCL (P1)
NT YCV (P3)
NT C (P3)
C-NT (P3)
Y-NT (P3)
COMB Y
COMB C
TP1102
TP1104
TP1105
TP1106
IC1101 CXA1855Q VIDEO-SW
IC1102 NJM2235M SIG.SW.
IC1103 NJM2240M OSC
IC1104 CXD2024AQ 3LINE COMB
IC1105 NJM2533M Y SW
IC1106 NJM2533M C SW
FL1101
FL1102
FL1103
IC1001/NJM2235
SW1 (2) | SW2 (4) | OUT
L | L | 1
H | L | 3
L/H | H | 5
+9V
+5V
-5V
9V
5V

BA (2/12)
VIDEO IN
COMB (PAL)

no mark:Video

- Refer to page 9-10, 9-11 for Printed Wiring Board
- Refer to page 9-24 for Waveforms
- Refer to page 9-24, 9-25, 9-26 for IC Block Diagrams

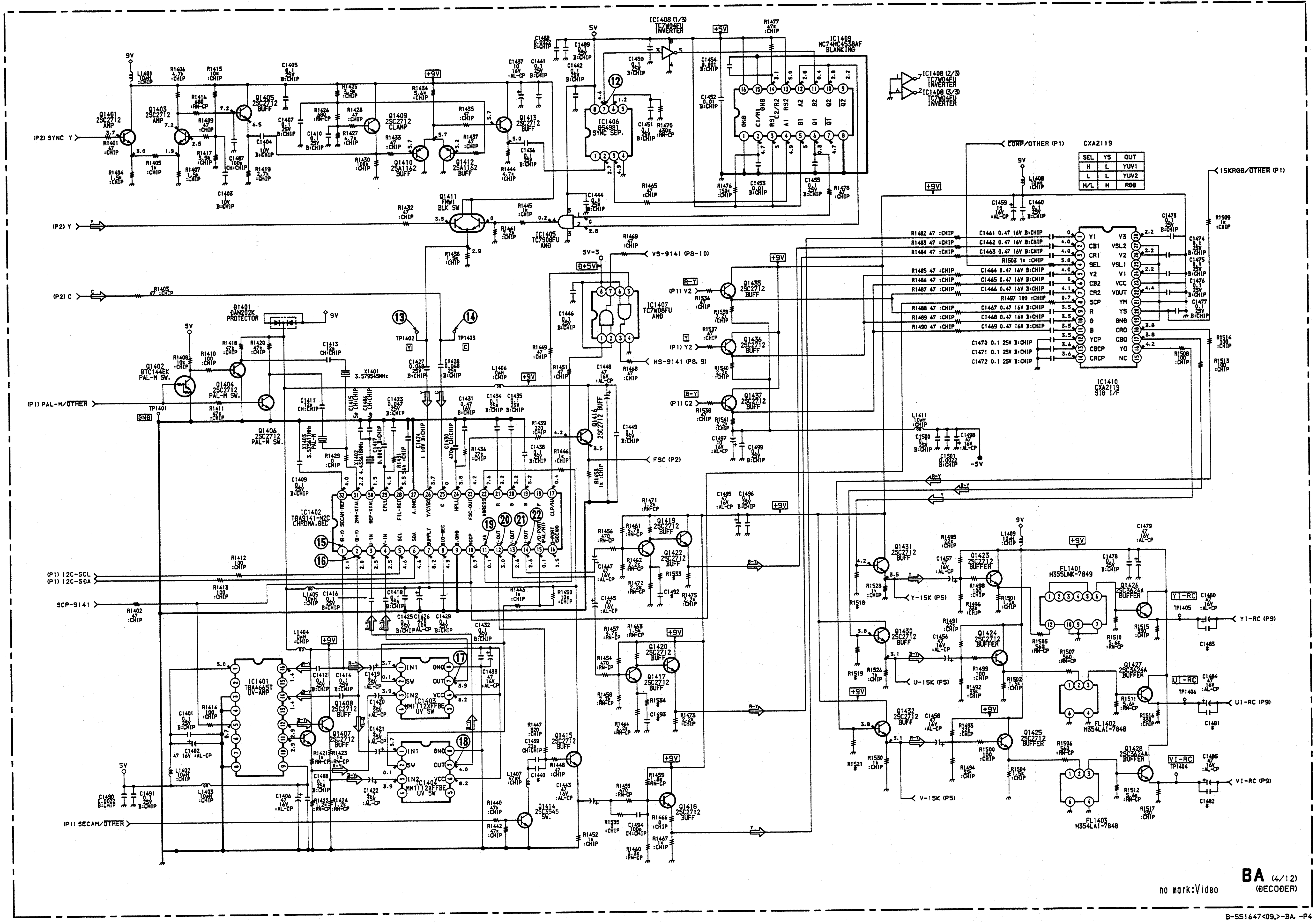

IC1252
MSM514265C-60JS
4M DRAM
IC1254
μPD64081BGF
3D COMB FILTER
IC1253
μPC659AGS
A/D CONV.
IC1251
SN74HCU04ANS
INVERTER
X1201
20MHz
Q1251 2SA1162 BUFF
Q1252 2SA1162 BUFF
Q1253 2SA1162 BUFF
Q1254 2SA1162 Y-BUFF
Q1255 2SC2712 BUFF
Q1256 2SA1162 BUFF
Q1257 2SA1162 BUFF
Q1258 2SC2712 BUFF
Q1259 2SC2712 BUFF
Q1260 2SC2712 BUFF
Q1261 2SA1162 BUFF
Q1262 2SC2712 BUFF
Q1263 2SC2712 AMP
Q1264 2SC2712 AMP
Q1265 2SA1162 BUFF
Q1266 2SC2712 Y-BUFF
Q1267 2SC2712 C-BUFF
Q1268 2SC2712 BUFF
FL1251
FL1252
FL1253
FL1254
RV1251
RV1252
D1251
TP1251
5V-3
3.3V
3.3V-2
5V
9V
B+5V
B+3.3V
+3.3V
+9V
Y-NT
C-NT
NT YCV (P2)
Y-NT (P2)
C-NT (P2)
I2C-SDA (P1)
I2C-SCL (P1)
NT C (P2)
⑩
⑪
A
B
C
D
E
F
G
H
1
2
3
4
5

no mark:Video

BA (3/12)
(COMB (NT3.58))

- Refer to page 9-10, 9-11 for Printed Wiring Board
- Refer to page 9-24 for Waveforms
- Refer to page 9-24, 9-25, 9-26 for IC Block Diagrams

BA (4/12)


IC1408 (1/3) TC7W04FU INVERTER
IC1409 MC74HC4538AF BLANKING
IC1408 (2/3) TC7W04FU INVERTER
IC1408 (3/3) TC7W04FU INVERTER
IC1406 GS4981 SYNC SEP.
IC1405 TC7S08FU AND
IC1407 TC7W08FU AND
IC1402 TDA9141-N2C CHROMA. DEC
IC1401 TDA4665T DV-AMP
IC1403 MM1112XFFBE UV SW
IC1404 MM1112XFFBE UV SW
IC1410 CXA2119 SIG I/F
CXA2119
SEL	YS	OUT
H	L	YUV1
L	L	YUV2
H/L	H	RGB
FL1401 H355LNK-7849
FL1402 H354LAI-7848
FL1403 H354LAI-7848
D1401 DAN202K PROTECTOR
X1401 3.579545MHz
(P2) SYNC Y
(P2) Y
(P2) C
(P1) PAL-M/OTHER
(P1) I2C-SCL
(P1) I2C-SDA
SCP-9141
(P1) SECAM/OTHER
COMP/OTHER (P1)
15KRGB/OTHER (P1)
VS-9141 (P8-10)
HS-9141 (P8, 9)
(P1) Y2
(P1) C2
FSC (P2)
Y-15K (P5)
U-15K (P5)
V-15K (P5)
YI-RC (P9)
UI-RC (P9)
VI-RC (P9)
BA (4/12) (DECODER)
no mark:Video
B-SS1647<09.>-BA -P4
1
2
3
4
5

9-15

- Refer to page 9-10, 9-11 for Printed Wiring Board
- Refer to page 9-24 for Waveforms
- Refer to page 9-24, 9-25, 9-26 for IC Block Diagrams

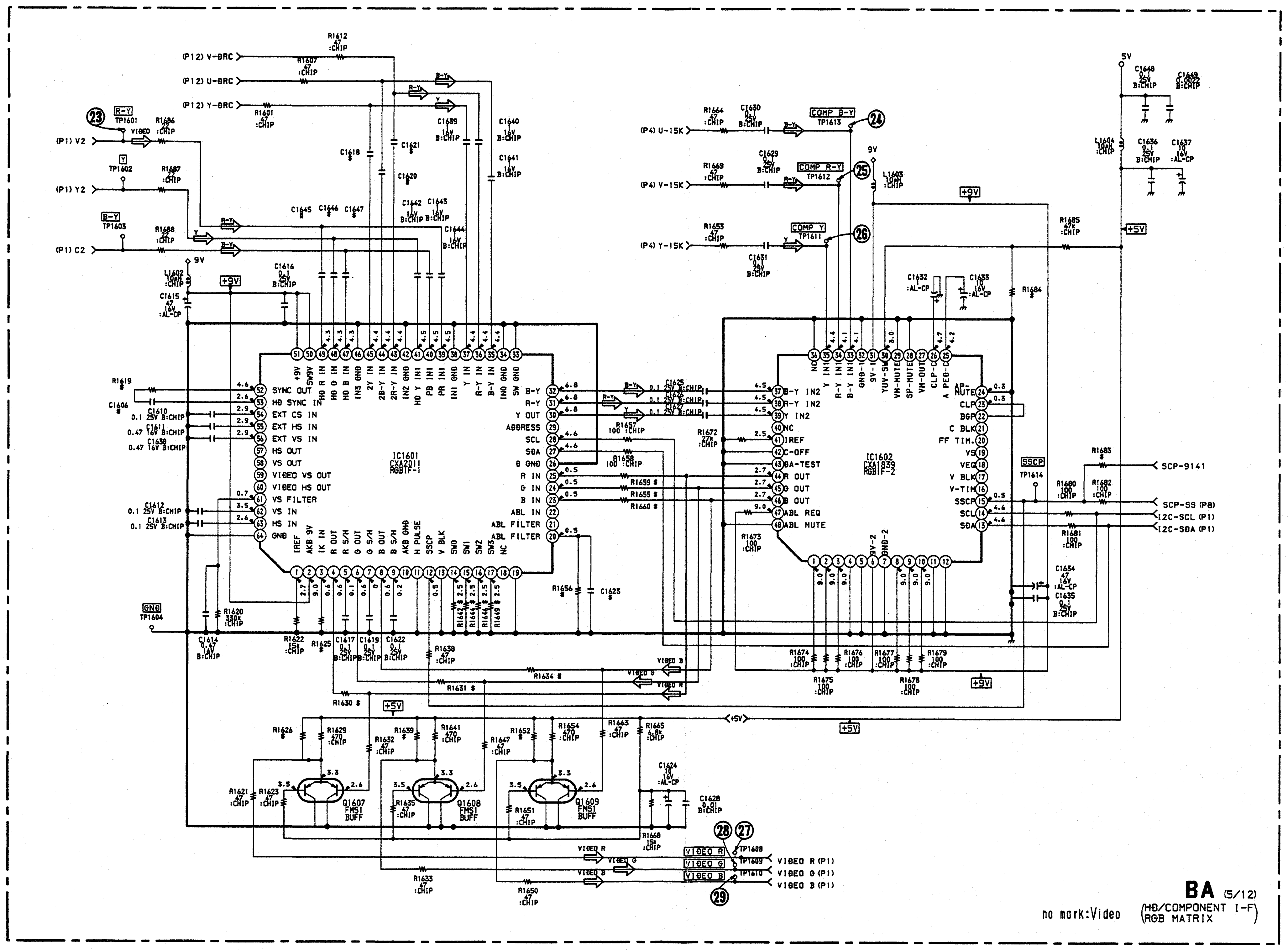
1

2

3

4

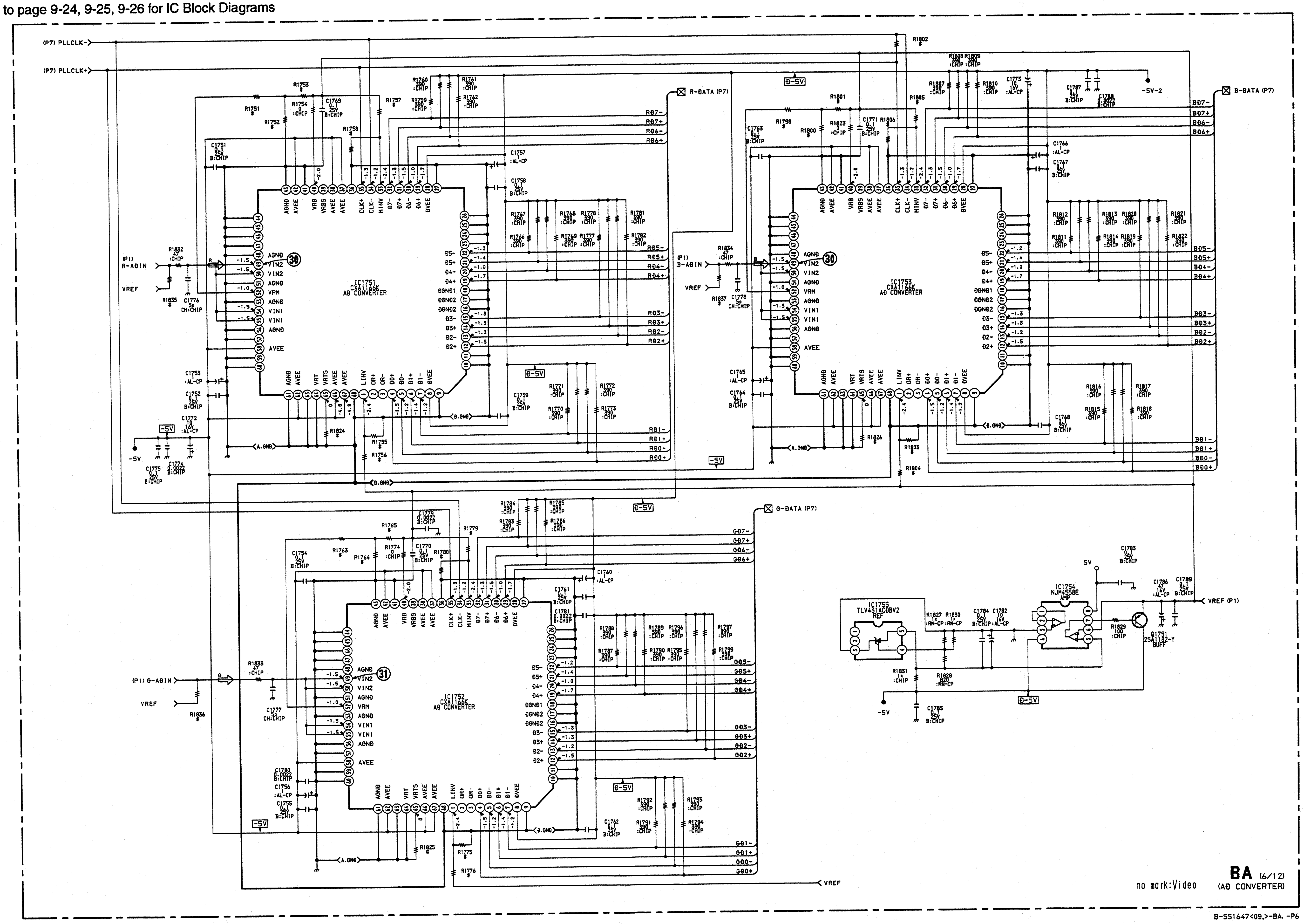
5


(P12) V-BRC
(P12) U-BRC
(P12) Y-BRC
(P1) V2
(P1) Y2
(P1) C2
R-Y TP1601
Y TP1602
B-Y TP1603
GND TP1604
+9V
+5V
IC1601
CXA2011
RGBIF-1
IC1602
CXA1839
RGBIF-2
(P4) U-15K
(P4) V-15K
(P4) Y-15K
COMP B-Y TP1613
COMP R-Y TP1612
COMP Y TP1611
SSCP TP1614
SCP-9141
SCP-SS (P8)
I2C-SCL (P1)
I2C-SDA (P1)
Q1607 FMS1 BUFF
Q1608 FMS1 BUFF
Q1609 FMS1 BUFF
VIDEO R TP1608
VIDEO G TP1609
VIDEO B TP1610
VIDEO R (P1)
VIDEO G (P1)
VIDEO B (P1)
BA (5/12)
no mark:Video
(HD/COMPONENT I-F)
(RGB MATRIX)

B-SS1647<09.>-BA -P5

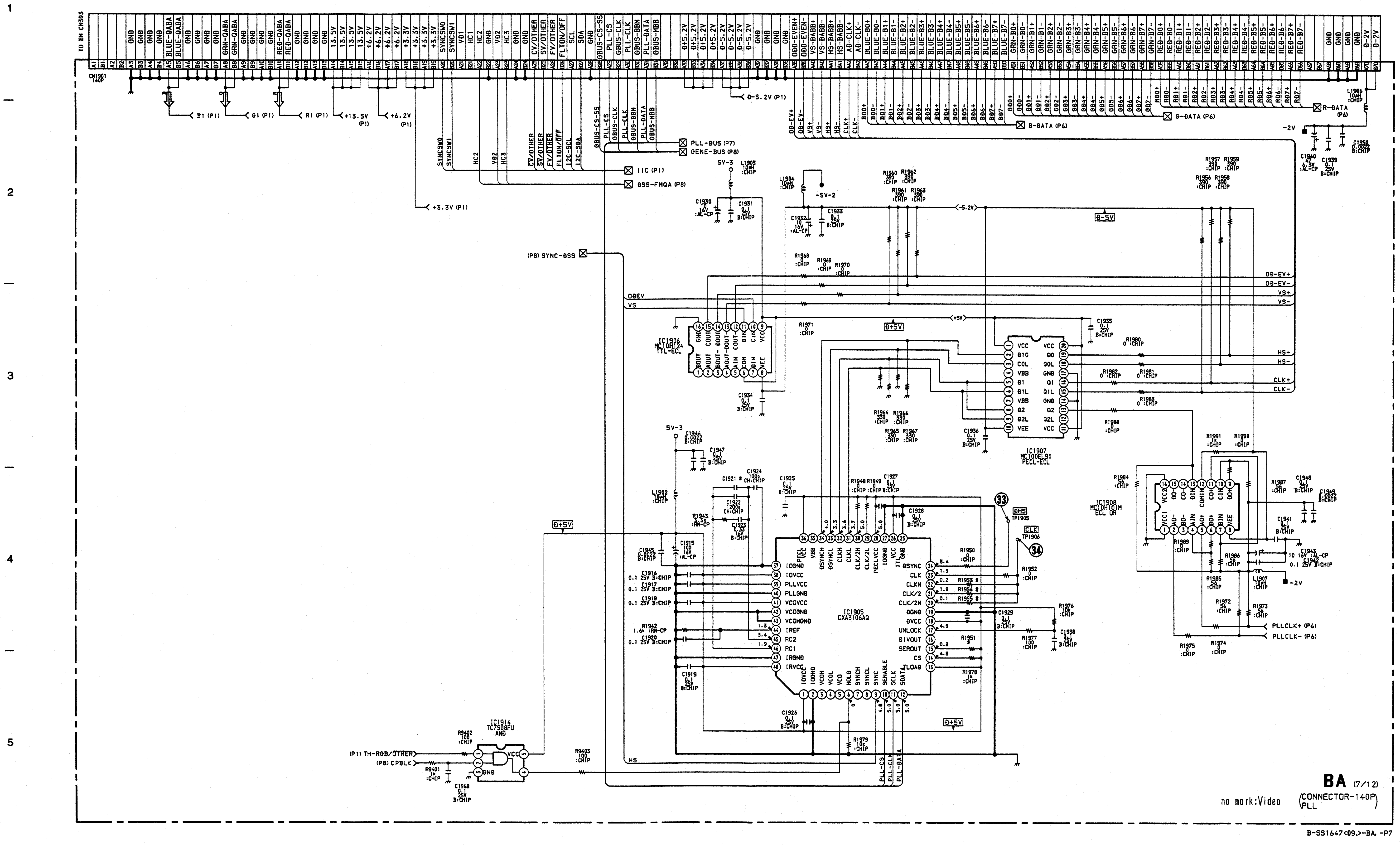
A | B | C | D | E | F | G | H

- Refer to page 9-10, 9-11 for Printed Wiring Board
- Refer to page 9-24 for Waveforms
- Refer to page 9-24, 9-25, 9-26 for IC Block Diagrams

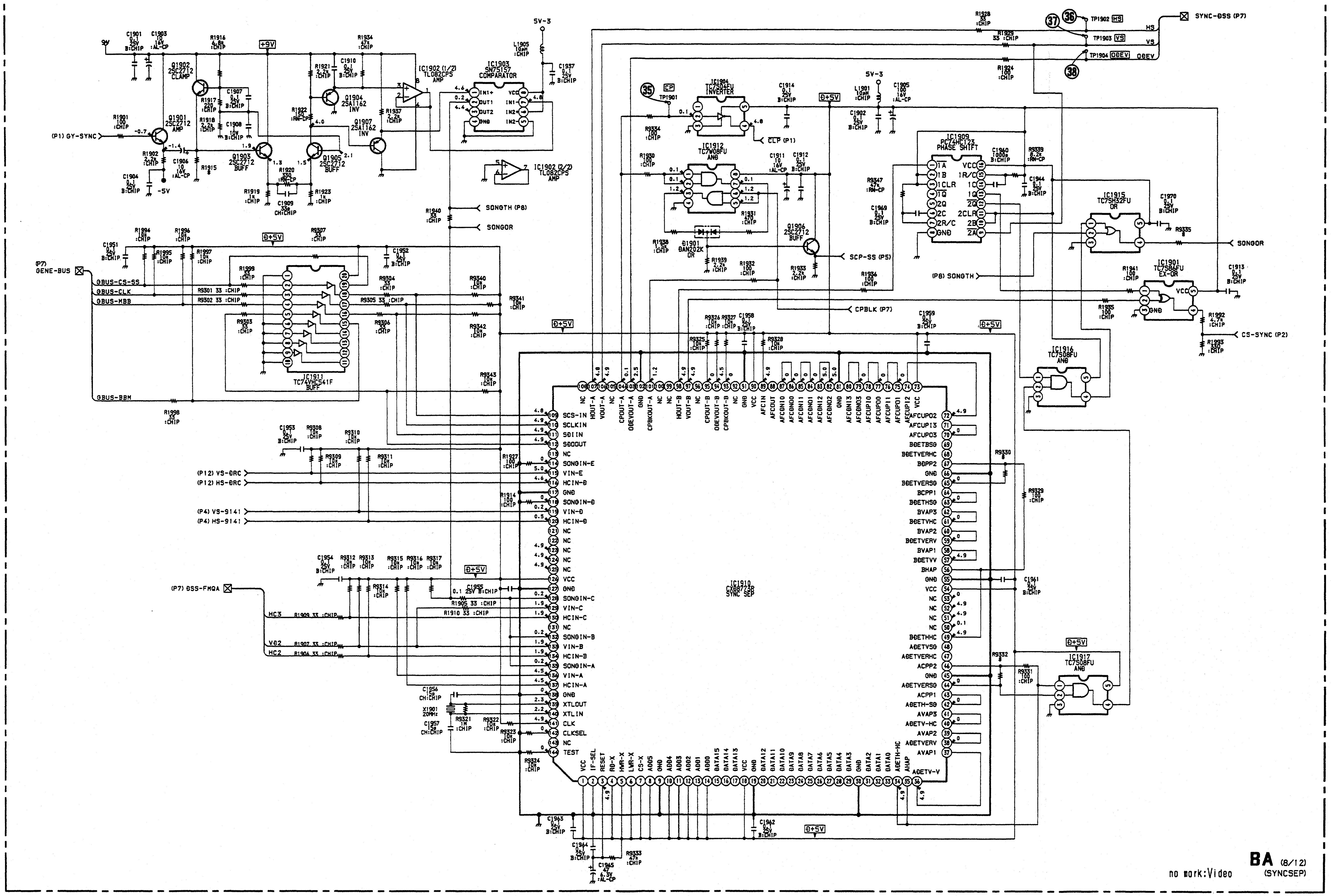

(P7) PLLCLK-
(P7) PLLCLK+
R-DATA (P7)
B-DATA (P7)
G-DATA (P7)
(P1) R-ADIN
(P1) B-ADIN
(P1) G-ADIN
VREF
VREF (P1)
-5V
-5V-2
5V
D-5V
A.GND
D.GND
IC1751 CXA1176K AD CONVERTER
IC1753 CXA1176K AD CONVERTER
IC1752 CXA1176K AD CONVERTER
IC1754 NJM4558E AMP
IC1755 TLV431ACDBV2 REF
Q1751 2SA1182-Y BUFF
30
31
RD7- RD7+ RD6- RD6+ RD5- RD5+ RD4- RD4+ RD3- RD3+ RD2- RD2+ RD1- RD1+ RD0- RD0+
BD7- BD7+ BD6- BD6+ BD5- BD5+ BD4- BD4+ BD3- BD3+ BD2- BD2+ BD1- BD1+ BD0- BD0+
GD7- GD7+ GD6- GD6+ GD5- GD5+ GD4- GD4+ GD3- GD3+ GD2- GD2+ GD1- GD1+ GD0- GD0+
AGND AVEE VRB VRBS AVEE AVEE CLK+ CLK- MINV D7- D7+ D6- D6+ DVEE
AGND VIN2 VIN2 AGND VRM AGND VIN1 VIN1 AGND AVEE
AGND AVEE VRT VRTS AVEE AVEE LINV OR+ OR- D0+ D0- D1+ D1- DVEE
D5- D5+ D4- D4+ DGND1 DGND2 DGND2 D3- D3+ D2- D2+
no mark:Video
BA (6/12) (AD CONVERTER)

B-SS1647<09,>-BA. -P6

- Refer to page 9-10, 9-11 for Printed Wiring Board
- Refer to page 9-24 for Waveforms
- Refer to page 9-24, 9-25, 9-26 for IC Block Diagrams

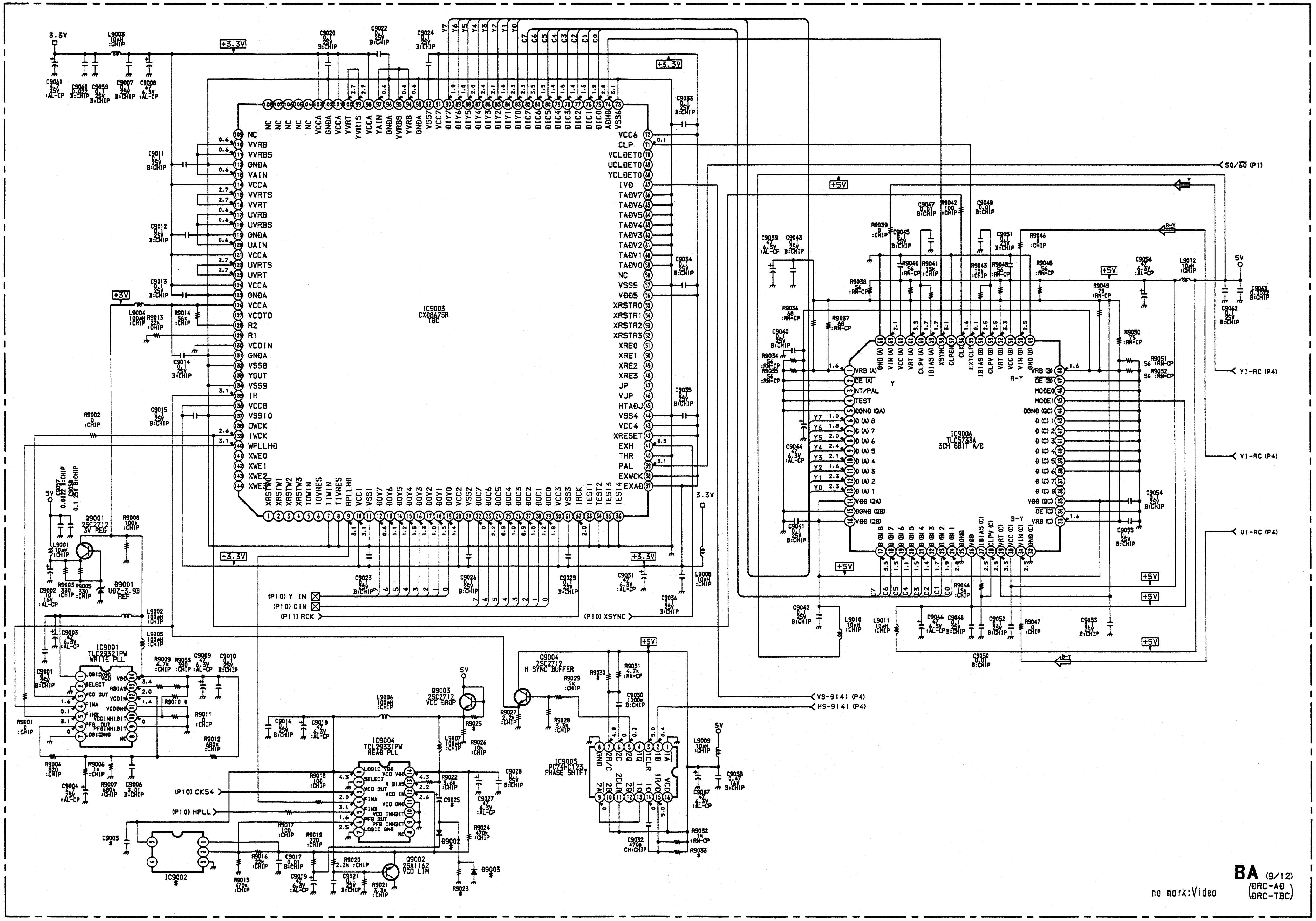

TO BM CN303
CN1901 140P
IC1905 CXA3106AQ
IC1906 MC10H124 TTL-ECL
IC1907 MC100EL91 PECL-ECL
IC1908 MC10H101M ECL OR
IC1914 TC7S08FU AND
PLL-BUS (P7)
GENE-BUS (P8)
IIC (P1)
OSS-FMQA (P8)
(P8) SYNC-OSS
B-DATA (P6)
G-DATA (P6)
R-DATA (P6)
PLLCLK+ (P6)
PLLCLK- (P6)
(P1) TH-RGB/OTHER
(P8) CPBLK
TP1905
TP1906
BA (7/12)
(CONNECTOR-140P PLL)
no mark:Video
B-SS1647<09>-BA -P7

- Refer to page 9-10, 9-11 for Printed Wiring Board
- Refer to page 9-24 for Waveforms
- Refer to page 9-24, 9-25, 9-26 for IC Block Diagrams


IC1910
CXD8773R
SYNC SEP
IC1902 (1/2)
TL082CPS
AMP
IC1902 (2/2)
TL082CPS
AMP
IC1903
SN75157
COMPARATOR
IC1904
TC7S04FU
INVERTER
IC1912
TC7W08FU
AND
IC1909
PC74HC123
PHASE SHIFT
IC1915
TC7SH32FU
OR
IC1901
TC7S86FU
EX-OR
IC1916
TC7S08FU
AND
IC1917
TC7S08FU
AND
IC1911
TC74VHC541F
BUFF
Q1901
2SC2712
AMP
Q1902
2SC2712
CLAMP
Q1903
2SC2712
BUFF
Q1904
2SA1162
INV
Q1905
2SC2712
BUFF
Q1906
2SC2712
BUFF
Q1907
2SA1162
INV
D1901
DAN202K
OR
X1901
20MHz
(P1) GY-SYNC
(P7) GENE-BUS
GBUS-CS-SS
GBUS-CLK
GBUS-MBB
GBUS-BBM
SONGTH (P8)
SONGOR
SCP-SS (P5)
(P8) SONGTH
CPBLK (P7)
CS-SYNC (P2)
SYNC-BSS (P7)
(P12) VS-BRC
(P12) HS-BRC
(P4) VS-9141
(P4) HS-9141
(P7) BSS-FMQA
CLP (P1)
TP1901
TP1902 HS
TP1903 VS
TP1904 ODEV
HS
VS
ODEV
CP
35
36
37
38
9V
5V-3
+9V
B+5V
-5V
BA (8/12)
(SYNCSEP)
no mark:Video
1
2
3
4
5
A
B
C
D
E
F
G
H

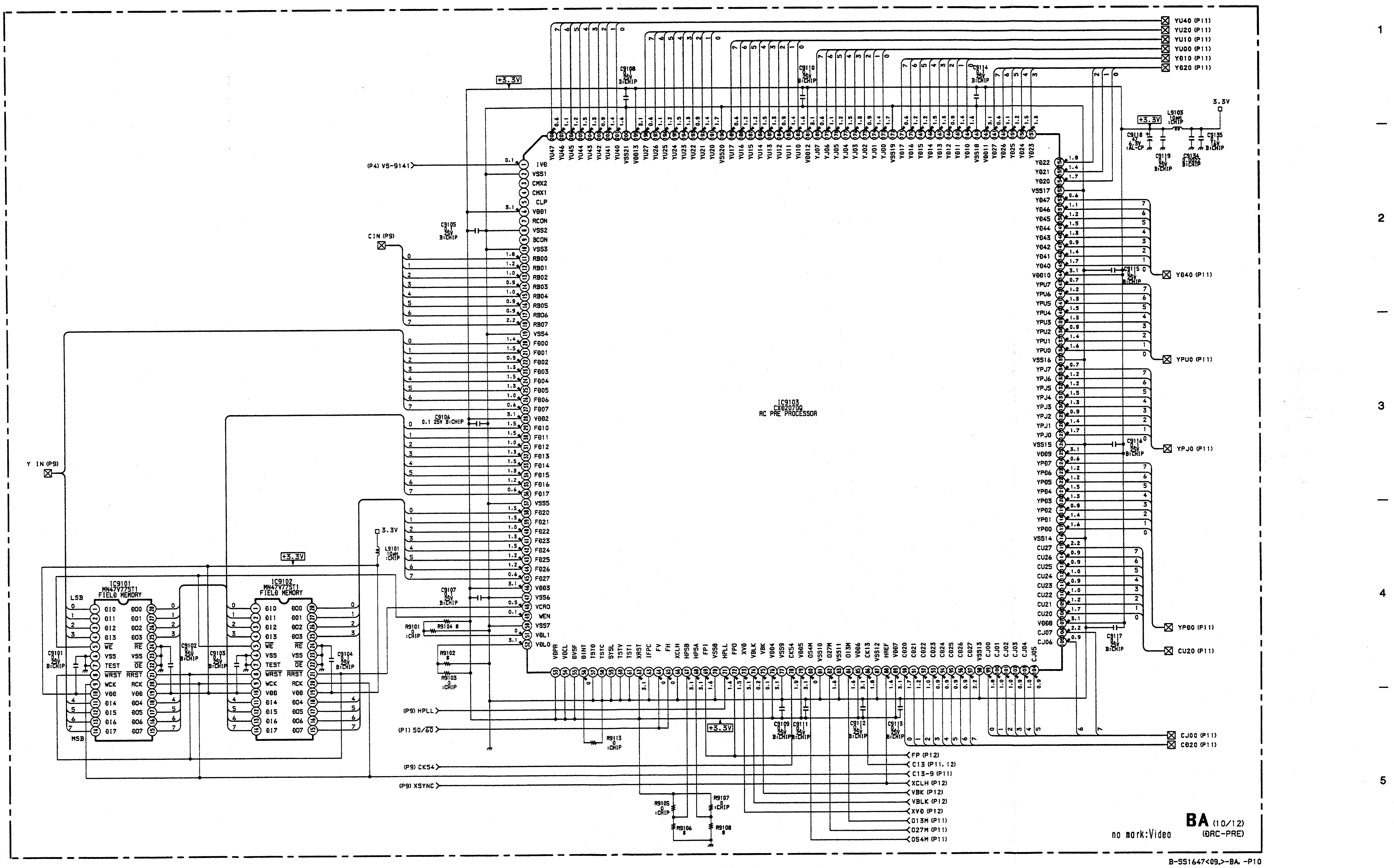
B-SS1647<09.>-BA -P8

- Refer to page 9-10, 9-11 for Printed Wiring Board
- Refer to page 9-24 for Waveforms
- Refer to page 9-24, 9-25, 9-26 for IC Block Diagrams

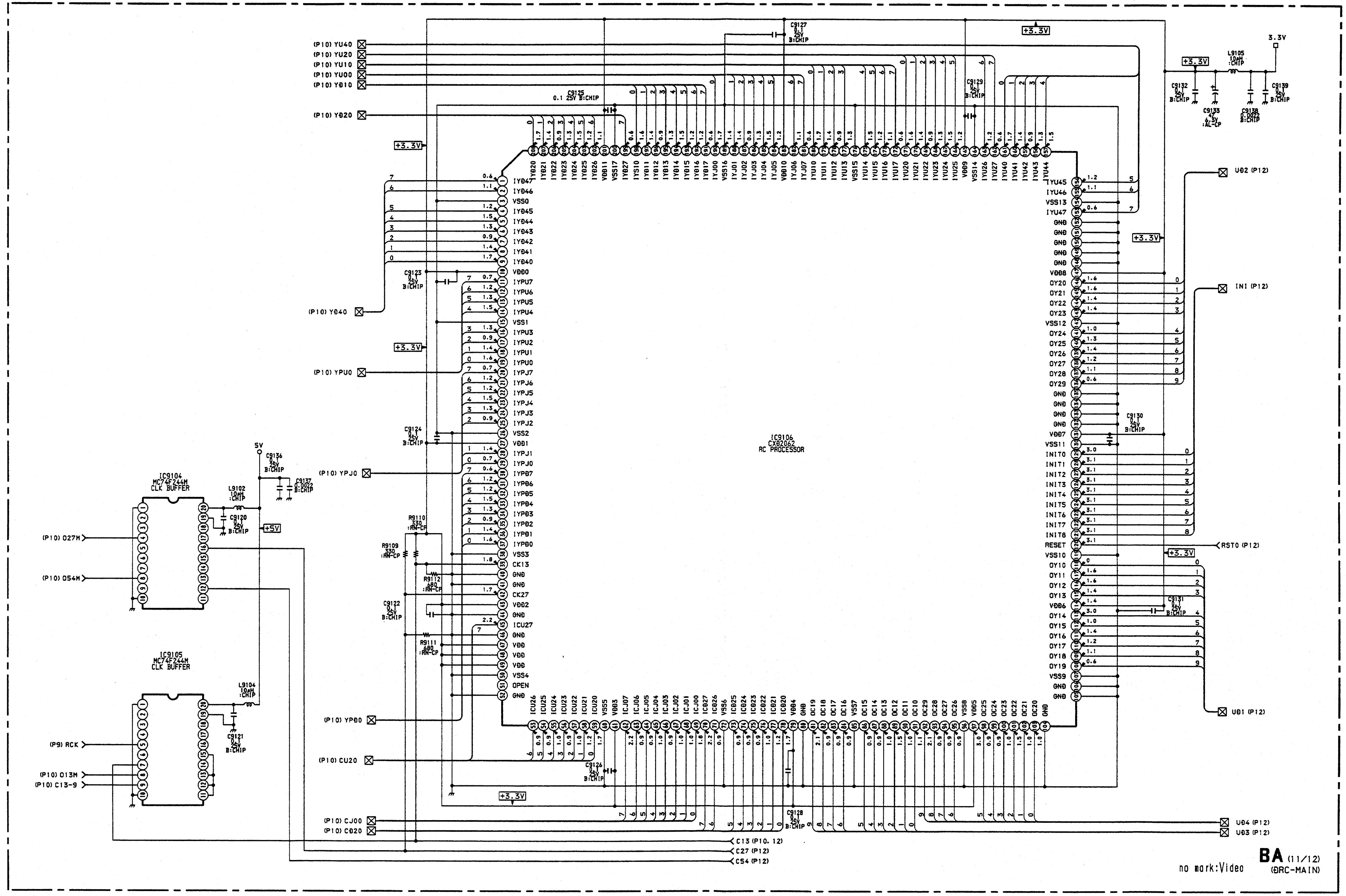

1
2
3
4
5
IC9003
CXD8675R
TBC
IC9006
TLC5733A
3CH 8BIT A/D
IC9001
TLC2932IPW
WRITE PLL
IC9004
TCL2933IPW
READ PLL
IC9005
PC74HC123
PHASE SHIFT
IC9002
Q9001
2SC2712
3V REG
Q9003
2SC2712
VCC DROP
Q9004
2SC2712
H SYNC BUFFER
Q9002
2SA1162
VCO LIM
D9001
UDZ-3.9B
REF
D9002
D9003
3.3V
5V
+3.3V
+5V
(P10) Y IN
(P10) CIN
(P11) RCK
(P10) XSYNC
(P10) CKS4
(P10) HPLL
S0/S0 (P1)
YI-RC (P4)
VI-RC (P4)
UI-RC (P4)
VS-9141 (P4)
HS-9141 (P4)
BA (9/12)
(DRC-A8)
(DRC-TBC)
no mark:Video

B-SS1647<09.>-BA -P9

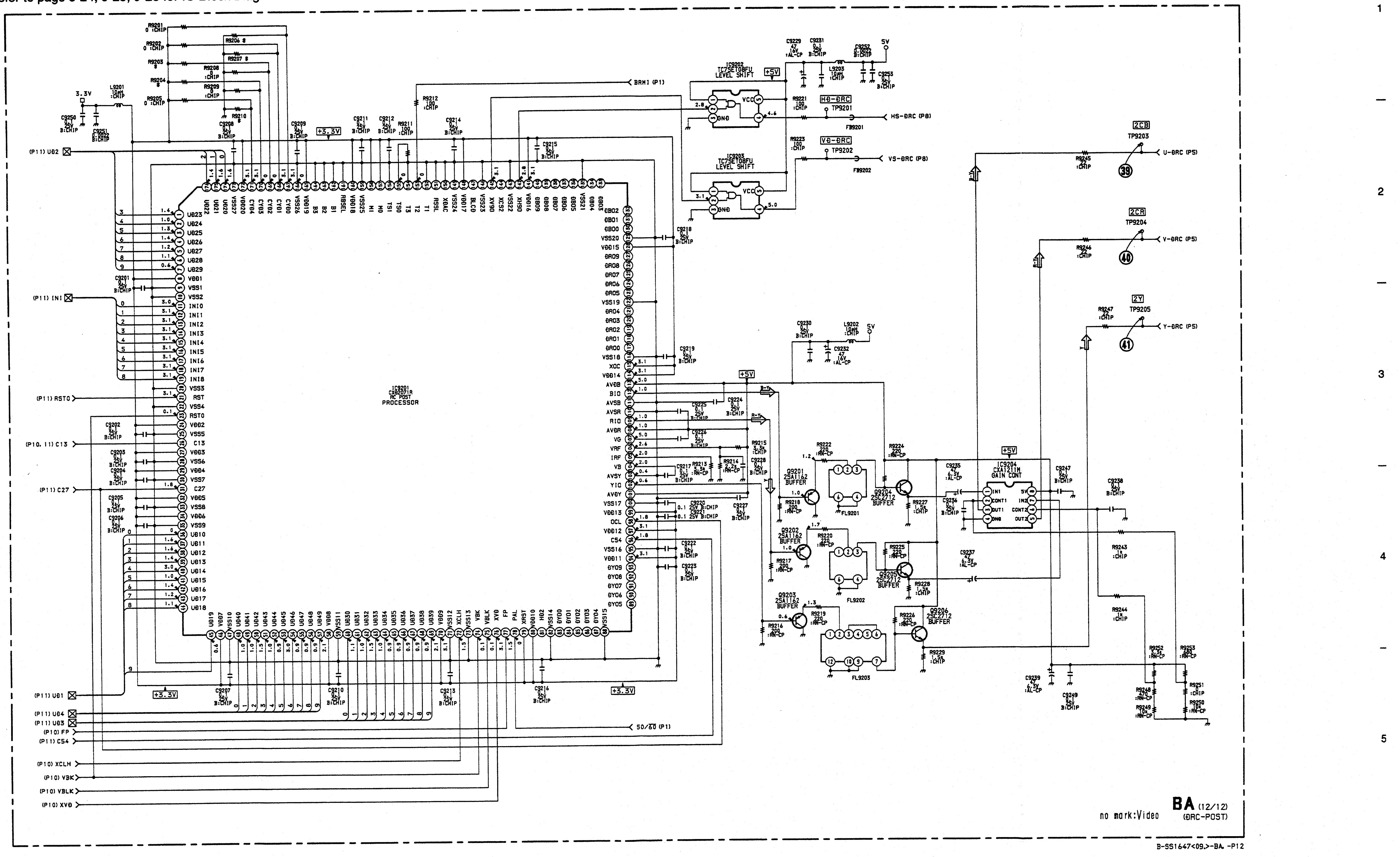
- Refer to page 9-10, 9-11 for Printed Wiring Board
- Refer to page 9-24 for Waveforms
- Refer to page 9-24, 9-25, 9-26 for IC Block Diagrams


IC9103
CXD2070Q
RC PRE PROCESSOR
IC9101
MN47V77ST1
FIELD MEMORY
IC9102
MN47V77ST1
FIELD MEMORY
YU40 (P11)
YU20 (P11)
YU10 (P11)
YU00 (P11)
Y010 (P11)
Y020 (P11)
Y040 (P11)
YPU0 (P11)
YPJ0 (P11)
YP00 (P11)
CU20 (P11)
CJ00 (P11)
C020 (P11)
(P4) VS-9141
CIN (P9)
Y IN (P9)
(P9) HPLL
(P1) 50/60
(P9) CK54
(P9) XSYNC
FP (P12)
C13 (P11, 12)
C13-9 (P11)
XCLH (P12)
VBK (P12)
VBLK (P12)
XV0 (P12)
013M (P11)
027M (P11)
054M (P11)
+3.3V
3.3V
LSB
MSB
no mark:Video
BA (10/12)
(DRC-PRE)
B-SS1647<09.>-BA -P10
1
2
3
4
5

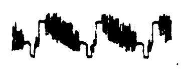
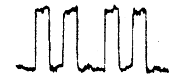
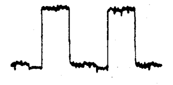
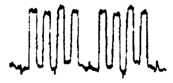
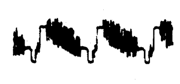
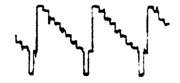
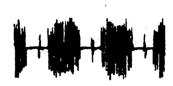
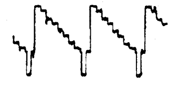
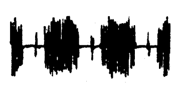
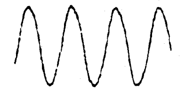
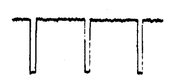
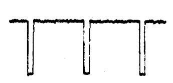
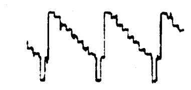
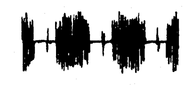
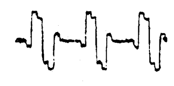
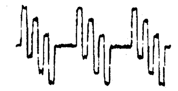
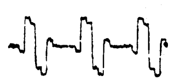
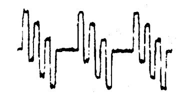
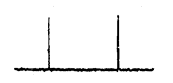
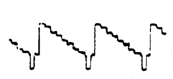
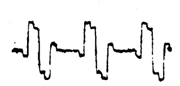
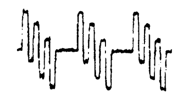
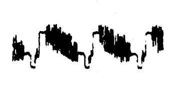
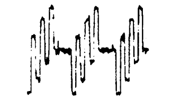
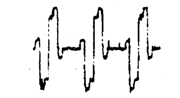
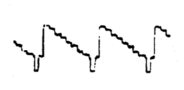
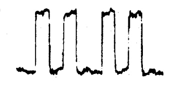
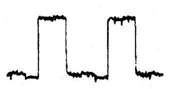
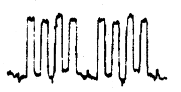
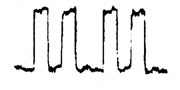
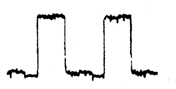
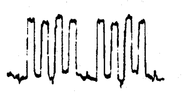
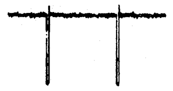
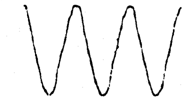
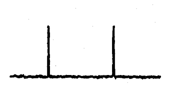
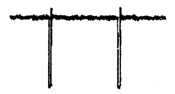
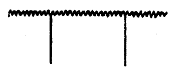
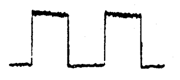
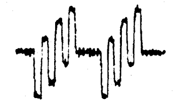
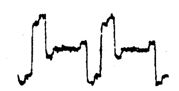
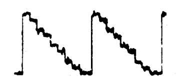
- Refer to page 9-10, 9-11 for Printed Wiring Board
- Refer to page 9-24 for Waveforms
- Refer to page 9-24, 9-25, 9-26 for IC Block Diagrams


IC9106
CXD2062
RC PROCESSOR
IC9104
MC74F244M
CLK BUFFER
IC9105
MC74F244M
CLK BUFFER
(P10) YU40
(P10) YU20
(P10) YU10
(P10) YU00
(P10) Y010
(P10) Y020
(P10) Y040
(P10) YPU0
(P10) YPJ0
(P10) YPB0
(P10) CU20
(P10) CJ00
(P10) C020
(P10) 027M
(P10) 054M
(P9) RCK
(P10) 013M
(P10) C13-9
C13 (P10, 12)
C27 (P12)
C54 (P12)
U02 (P12)
INI (P12)
RST0 (P12)
U01 (P12)
U04 (P12)
U03 (P12)
+3.3V
3.3V
5V
+5V
L9105 10uH :CHIP
L9102 10uH :CHIP
L9104 10uH :CHIP
R9109 330 :RN-CP
R9110 330 :RN-CP
R9111 680 :RN-CP
R9112 680 :RN-CP
C9125 0.1 25V B:CHIP
C9127 0.1 25V B:CHIP
C9129 0.1 25V B:CHIP
C9123 0.1 25V B:CHIP
C9124 0.1 25V B:CHIP
C9122 0.1 25V B:CHIP
C9126 0.1 25V B:CHIP
C9128 0.1 25V B:CHIP
C9130 0.1 25V B:CHIP
C9131 0.1 25V B:CHIP
C9132 0.1 25V B:CHIP
C9133 47 6.3V :AL-CP
C9138 0.0022 B:CHIP
C9139 0.1 25V B:CHIP
C9136 0.1 25V B:CHIP
C9137 0.0022 B:CHIP
C9120 0.1 25V B:CHIP
C9121 0.1 25V B:CHIP
BA (11/12)
(DRC-MAIN)
no mark:Video
B-SS1647<09.>-BA. -P11
1
2
3
4
5
A
B
C
D
E
F
G
H

- Refer to page 9-10, 9-11 for Printed Wiring Board
- Refer to page 9-24 for Waveforms
- Refer to page 9-24, 9-25, 9-26 for IC Block Diagrams

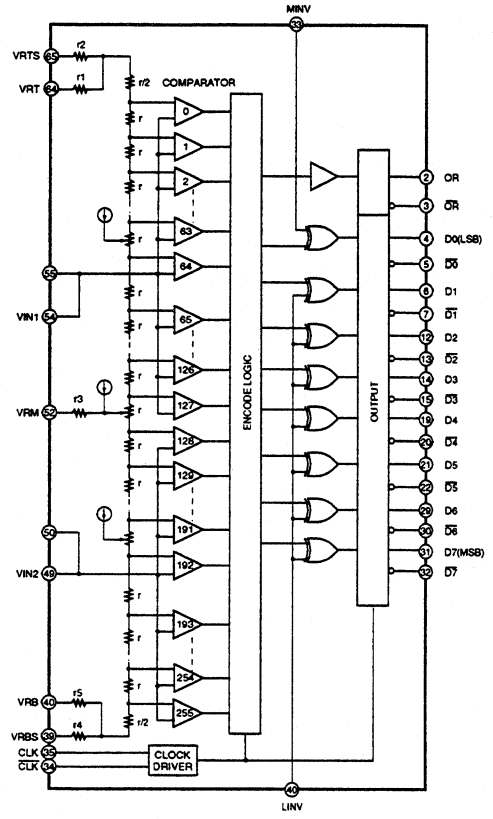

IC9201
CXD2071R
RC POST
PROCESSOR
IC9202
TC7SET08FU
LEVEL SHIFT
IC9203
TC7SET08FU
LEVEL SHIFT
IC9204
CXA1211M
GAIN CONT
Q9201
2SA1162
BUFFER
Q9202
2SA1162
BUFFER
Q9203
2SA1162
BUFFER
Q9204
2SC2712
BUFFER
Q9205
2SC2712
BUFFER
Q9206
2SC2712
BUFFER
FL9201
FL9202
FL9203
L9201
L9202
L9203
FB9201
FB9202
TP9201
TP9202
TP9203
TP9204
TP9205
HD-θRC
VD-θRC
2CB
2CR
2Y
39
40
41
3.3V
5V
+5V
+3.3V
BRNI (P1)
HS-θRC (P8)
VS-θRC (P8)
U-θRC (P5)
V-θRC (P5)
Y-θRC (P5)
50/60 (P1)
(P11) U02
(P11) INI
(P11) RST0
(P10, 11) C13
(P11) C27
(P11) U01
(P11) U04
(P11) U03
(P10) FP
(P11) C54
(P10) XCLH
(P10) VBK
(P10) VBLK
(P10) XVD
R-Y
B-Y
BA (12/12)
(θRC-POST)
no mark:Video
B-SS1647<09.>-BA -P12
1
2
3
4
5
A
B
C
D
E
F
G
H

BA Board Waveforms

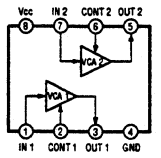
①  1Vp-p (H) IC1001 ③ R1 (V2)	②  0.6Vp-p (H) IC1005 ⑥ (VIDEO R)	③  0.6Vp-p (H) IC1006 ⑥ (VIDEO G)	④  0.6Vp-p (H) IC1007 ⑥ (VIDEO B)
⑤  2Vp-p (H) TP1104 V (VIDEO UOT1)	⑥  1.6Vp-p (H) TP1105 COMB Y	⑦  1.4Vp-p (H) TP1106 COMB C	⑧  1.6Vp-p (H) IC1101 ㊲ (Y OUT1)
⑨  1.4Vp-p (H) IC1101 ㊴ (C OUT1)	⑩  3.5Vp-p (V) IC1254 ㉛ (XO=20MHz)	⑪  5Vp-p (H) IC1254 (76) (CSI)	⑫  5Vp-p (H) IC1406 ⑦ (SYNC Y)
⑬  0.8Vp-p (H) TP1402 Y	⑭  0.7Vp-p (H) TP1403 C	⑮  0.55Vp-p (H) IC1402 ① (R-Y)	⑯  0.7Vp-p (H) IC1402 ② (B-Y)
⑰  1.1Vp-p (H) IC1403 ⑦ (R-Y OUT)	⑱  1.4Vp-p (H) IC1404 ⑦ (B-Y)	⑲  5Vp-p (H) IC1402 ⑪ (VA)	⑳  1.1Vp-p (H) IC1402 ⑫ (Y OUT)
㉑  0.96Vp-p (H) IC1402 ⑬ (V OUT)	㉒  1.2Vp-p (H) IC1402 ⑭ (U OUT)	㉓  1Vp-p (H) TP1601 R-Y	㉔  1Vp-p (H) TP1613 COMP B-Y
㉕  1Vp-p (H) TP1612 COMP R-Y	㉖  1.5Vp-p (H) TP1611 (COMP Y)	㉗  0.6Vp-p (H) TP1608 VIDEO R	㉘  0.6Vp-p (H) TP1609 VIDEO B
㉙  0.6Vp-p (H) TP1610 VIDEO B	㉚  1.5Vp-p (H) IC1751 ㊾ (R-AD IN)	㉛  1.5Vp-p (H) IC1752 ㊾ (G-AD IN)	㉜  1.5Vp-p (H) IC1753 ㊾ (B-AD IN)
㉝  3.8Vp-p (H) TP1905 DHS	㉞  8Vp-p (H) TP1906 CLK	㉟  4.8Vp-p (H) TP1901 CP	㊱  5Vp-p (H) TP1902 HS
㊲  5Vp-p (H) TP1903 VS	㊳  5Vp-p (V) TP1904 ODE V	㊴  0.8Vp-p (H) TP9203 2CB	㊵  0.65Vp-p (H) TP9204 2CR
㊶  0.6Vp-p (H) TP9205 2Y			

BA Board IC Block Diagrams

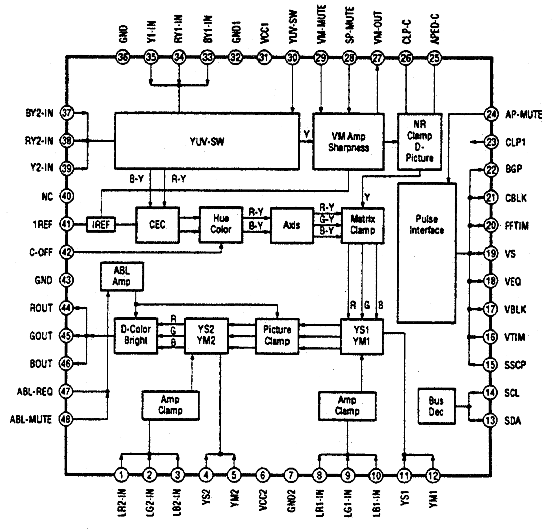
CXA1166K (IC1751 – 1753)


MINV
VRTS
VRT
r2
r1
r/2
COMPARATOR
r
0
1
2
63
64
65
126
127
128
129
191
192
193
254
255
VIN1
VRM
r3
VIN2
VRB
VRBS
r5
r4
CLK
CLK
CLOCK DRIVER
ENCODE LOGIC
OUTPUT
OR
OR
D0(LSB)
D0
D1
D1
D2
D2
D3
D3
D4
D4
D5
D5
D6
D6
D7(MSB)
D7
LINV

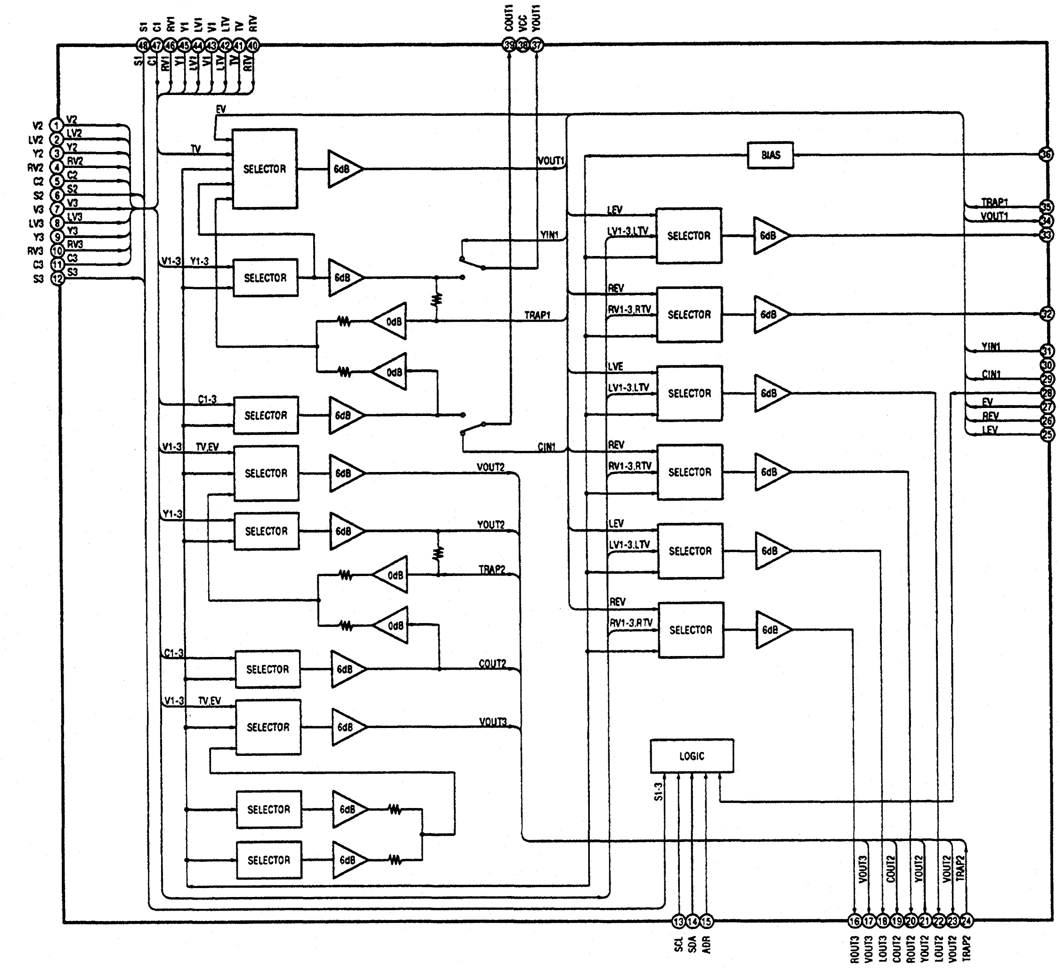
CXA1211M-T4 (IC9204)


Vcc
IN 2
CONT 2
OUT 2
VCA 2
VCA 1
IN 1
CONT 1
OUT 1
GND

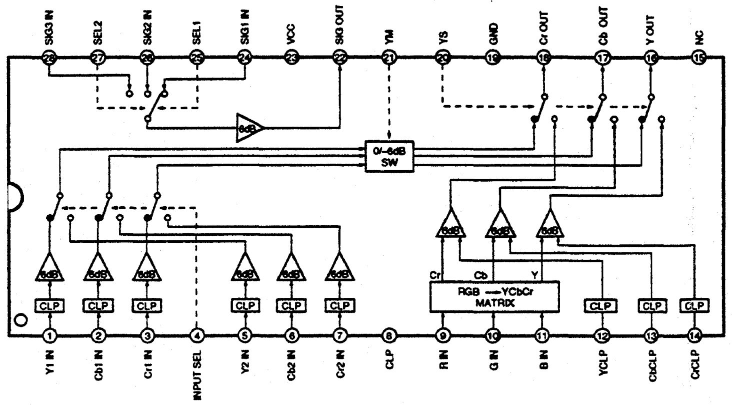
CXA1839Q-T6 (IC1602)


GND
Y1-IN
RY1-IN
BY1-IN
GND1
VCC1
YUV-SW
VM-MUTE
SP-MUTE
VM-OUT
CLP-C
APED-C
BY2-IN
RY2-IN
Y2-IN
NC
1REF
C-OFF
GND
ROUT
GOUT
BOUT
ABL-REG
ABL-MUTE
YUV-SW
Y
VM Amp Sharpness
NR Clamp D-Picture
B-Y
R-Y
IREF
CEC
Hue Color
Axis
G-Y
Matrix Clamp
Pulse Interface
ABL Amp
D-Color Bright
R
G
B
YS2 YM2
Picture Clamp
YS1 YM1
Amp Clamp
Amp Clamp
Bus Dec
AP-MUTE
CLP1
BGP
CBLK
FFTIM
VS
VEQ
VBLK
VTIM
SSCP
SCL
SDA
LR2-IN
LG2-IN
LB2-IN
YS2
YM2
VCC2
GND2
LR1-IN
LG1-IN
LB1-IN
YS1
YM1

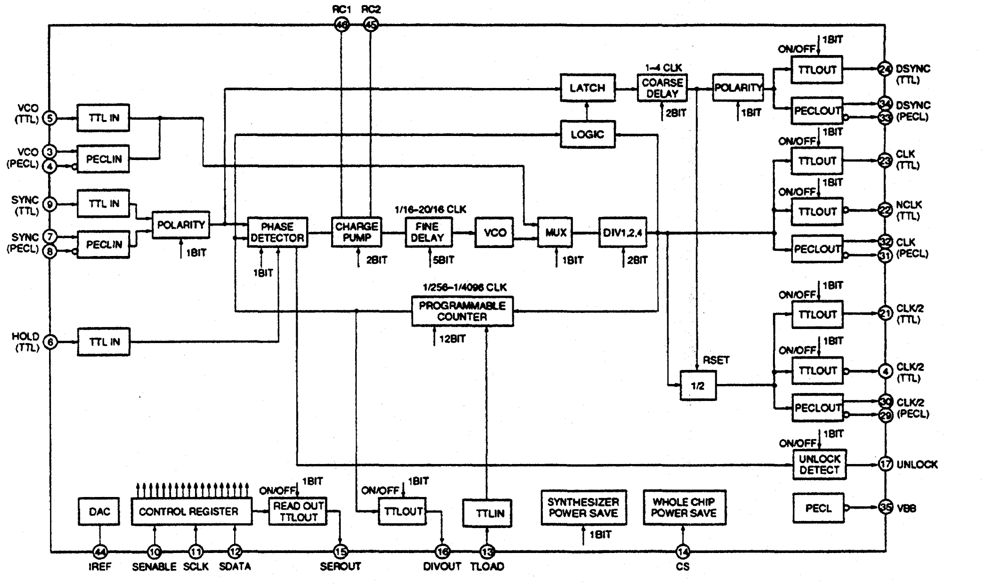
CXA1855Q (IC1101)


SELECTOR
6dB
0dB
BIAS
LOGIC
TRAP1
VOUT1
LOUT1
ROUT1
YIN1
GND
CIN1
MUTE
EV
REV
LEV
VOUT2
VOUT3
COUT2
YOUT2
TRAP2
SCL
SDA
ADR
ROUT3
YOUT3
COUT3
YOUT2
LOUT2

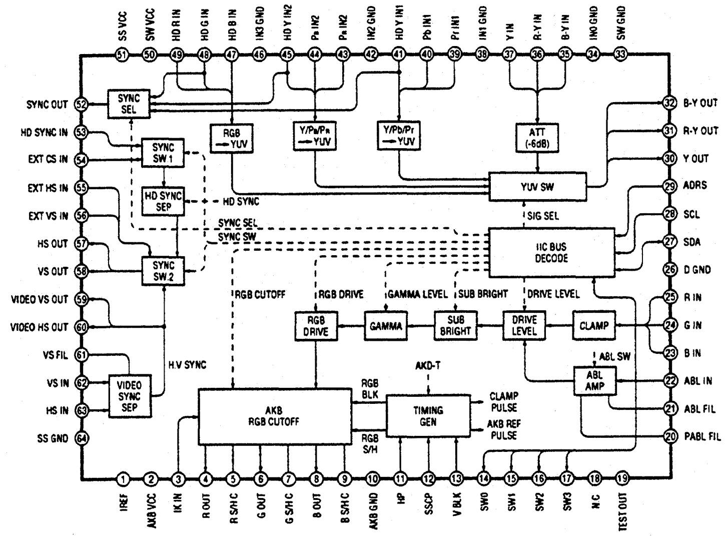
CXA2119M (IC1410)


SIG3 IN
SEL2
SIG2 IN
SEL1
SIG1 IN
VCC
SIG OUT
YM
YS
GND
Cr OUT
Cb OUT
Y OUT
NC
0/-6dB SW
6dB
CLP
RGB → YCbCr MATRIX
Cr
Cb
Y
Y1 IN
Cb1 IN
Cr1 IN
INPUT SEL
Y2 IN
Cb2 IN
Cr2 IN
CLP
R IN
G IN
B IN
YCLP
CbCLP
CrCLP

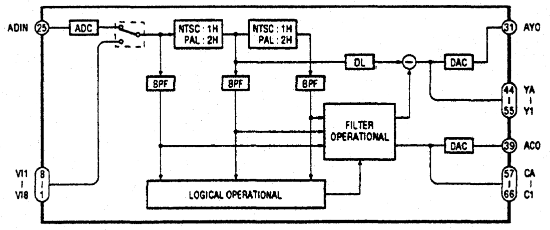
CXA3106AQ (IC1905)


RC1
RC2
VCO (TTL)
VCO (PECL)
SYNC (TTL)
SYNC (PECL)
HOLD (TTL)
TTL IN
PECLIN
POLARITY
PHASE DETECTOR
CHARGE PUMP
FINE DELAY
VCO
MUX
DIV1,2,4
LATCH
COARSE DELAY
LOGIC
PROGRAMMABLE COUNTER
1/16–20/16 CLK
1/256–1/4096 CLK
1~4 CLK
TTLOUT
PECLOUT
ON/OFF
1BIT
2BIT
5BIT
12BIT
RESET
1/2
UNLOCK DETECT
PECL
DAC
CONTROL REGISTER
READ OUT TTLOUT
TTLIN
SYNTHESIZER POWER SAVE
WHOLE CHIP POWER SAVE
DSYNC (TTL)
DSYNC (PECL)
CLK (TTL)
NCLK (TTL)
CLK (PECL)
CLK/2 (TTL)
CLK/2 (PECL)
UNLOCK
VBB
IREF
SENABLE
SCLK
SDATA
SEROUT
DIVOUT
TLOAD
CS

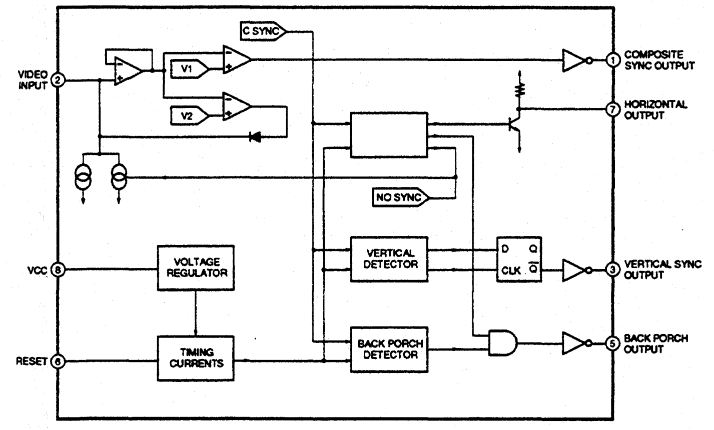
CXA2011Q (IC1601)


SS VCC
SW VCC
HD R IN
HD G IN
HD B IN
IN3 GND
HD Y IN2
Pb IN2
Pr IN2
IN2 GND
HD Y IN1
Pb IN1
Pr IN1
IN1 GND
Y IN
R-Y IN
B-Y IN
IN0 GND
SW GND
SYNC OUT
HD SYNC IN
EXT CS IN
EXT HS IN
EXT VS IN
HS OUT
VS OUT
VIDEO VS OUT
VIDEO HS OUT
VS FIL
VS IN
HS IN
SS GND
SYNC SEL
SYNC SW 1
HD SYNC SEP
SYNC SW 2
VIDEO SYNC SEP
RGB → YUV
Y/Pb/Pr → YUV
ATT (-6dB)
YUV SW
IIC BUS DECODE
RGB DRIVE
GAMMA
SUB BRIGHT
DRIVE LEVEL
CLAMP
ABL AMP
AKB RGB CUTOFF
TIMING GEN
B-Y OUT
R-Y OUT
Y OUT
ADRS
SCL
SDA
D GND
R IN
G IN
B IN
ABL IN
ABL FIL
PABL FIL
IREF
AKB VCC
IK IN
R OUT
R S/HC
G OUT
G S/HC
B OUT
B S/HC
AKB GND
HP
SSCP
V BLK
SW0
SW1
SW2
SW3
NC
TEST OUT

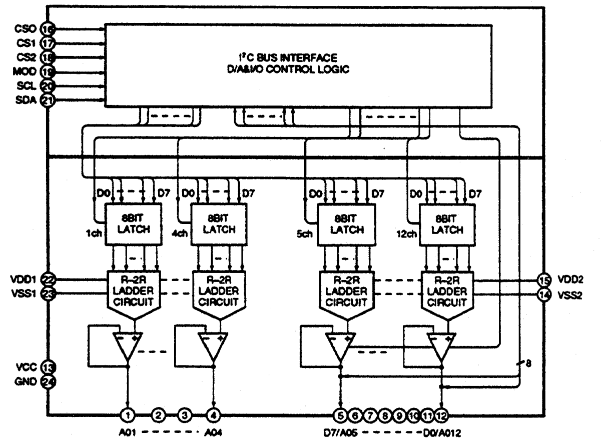
CXD2024AQ (IC1104)


ADIN
ADC
NTSC : 1H PAL : 2H
DL
DAC
BPF
FILTER OPERATIONAL
LOGICAL OPERATIONAL
AYO
YA
YI
ACO
CA
CI
VI1
VI8

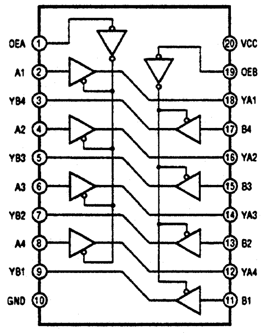
GS4981CTA (IC1406)


C SYNC
VIDEO INPUT
V1
V2
NO SYNC
VCC
VOLTAGE REGULATOR
RESET
TIMING CURRENTS
VERTICAL DETECTOR
BACK PORCH DETECTOR
D Q CLK
COMPOSITE SYNC OUTPUT
HORIZONTAL OUTPUT
VERTICAL SYNC OUTPUT
BACK PORCH OUTPUT

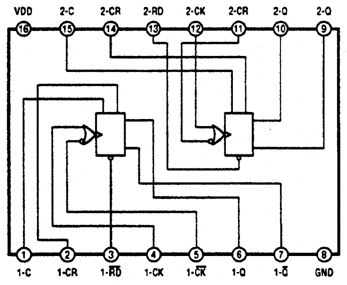
MB88141APFV-ER (IC1004, 1008)


CS0
CS1
CS2
MOD
SCL
SDA
I²C BUS INTERFACE
D/A&I/O CONTROL LOGIC
8BIT LATCH
R-2R LADDER CIRCUIT
1ch
4ch
5ch
12ch
D0
D7
VDD1
VSS1
VDD2
VSS2
VCC
GND
A01
A04
D7/A05
D0/A012

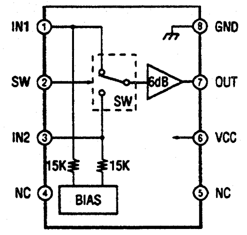
MC74F244MEL (IC9104, 9105)


OEA
A1
YB4
A2
YB3
A3
YB2
A4
YB1
GND
VCC
OEB
YA1
B4
YA2
B3
YA3
B2
YA4
B1

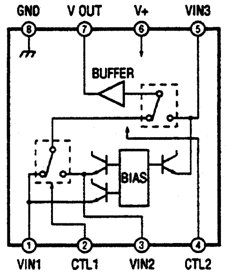
MC74HC4538AF-T2 (IC1409)


VDD
2-C
2-CR
2-RD
2-CK
2-CK
2-Q
2-Q
1-C
1-CR
1-RD
1-CK
1-CK
1-Q
1-Q
GND

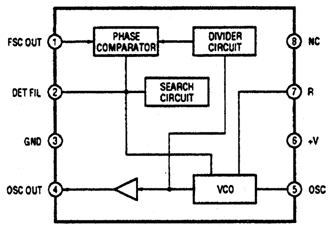
MM1112XFBE (IC1403, 1404)


IN1
SW
IN2
NC
GND
OUT
VCC
NC
6dB
SW
15K
15K
BIAS

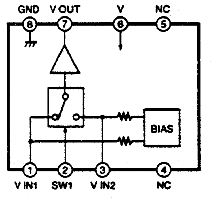
NJM2235M-T1 (IC1102)


GND
V OUT
V+
VIN3
BUFFER
BIAS
VIN1
CTL1
VIN2
CTL2

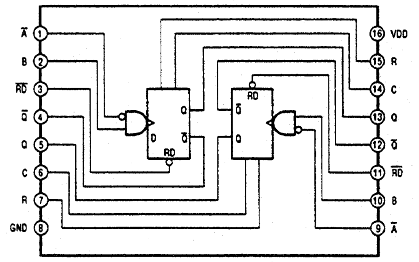
NJM2240M (IC1103)


FSC OUT
DET FIL
GND
OSC OUT
NC
R
+V
OSC C
PHASE COMPARATOR
DIVIDER CIRCUIT
SEARCH CIRCUIT
VCO

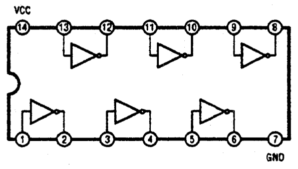
NJM2533M (IC1105, 1106)


GND
V OUT
V
NC
BIAS
V IN1
SW1
V IN2
NC

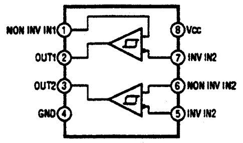
PC74HC123D-T (IC1909, 9005)


A
B
RD
Q
C
R
GND
VDD
RD

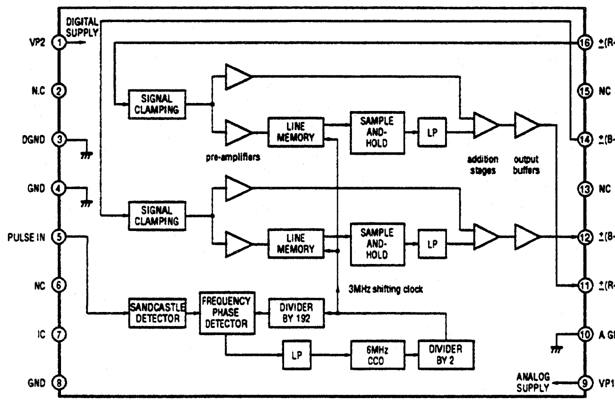
SN74HCU04ANS-E20 (IC1251)



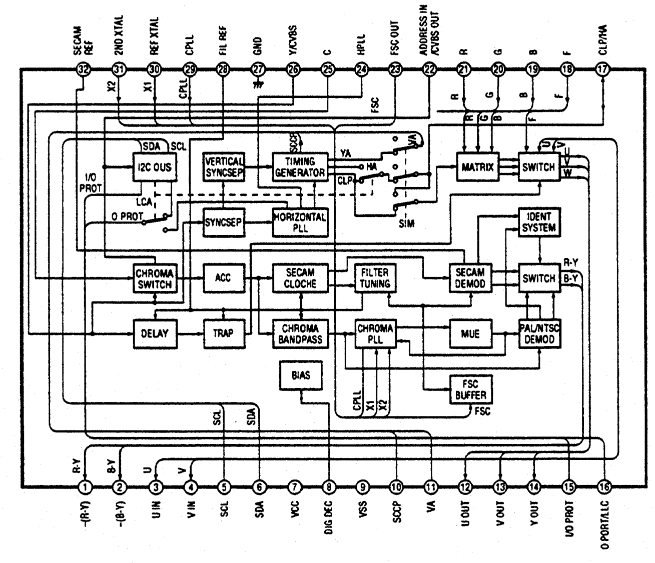
SN75157 (IC1903)


NON INV IN1
OUT1
OUT2
GND
Vcc
INV IN2
NON INV IN2
INV IN2

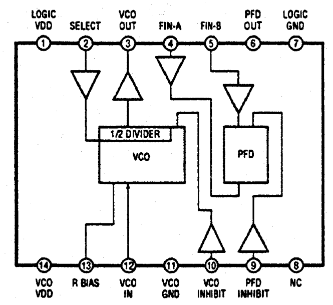
TDA4665T-T (IC1401)


VP2
N.C
DGND
GND
PULSE IN
NC
IC
GND
DIGITAL SUPPLY
SIGNAL CLAMPING
LINE MEMORY
SAMPLE AND-HOLD
LP
pre-amplifiers
addition stages
output buffers
SANDCASTLE DETECTOR
FREQUENCY PHASE DETECTOR
DIVIDER BY 192
6MHz CCO
DIVIDER BY 2
3MHz shifting clock
ANALOG SUPPLY
±(R-Y)IN
NC
±(B-Y)IN
NC
±(B-Y)OUT
±(R-Y)OUT
A GND
VP1

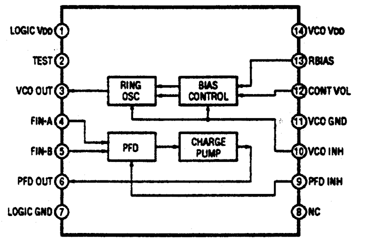
TDA9141-N2C (IC1402)


SECAM REF
2ND XTAL
REF XTAL
CPLL
FIL REF
GND
Y/CVBS
C
HPLL
FSC OUT
ADDRESS IN /CVBS OUT
R
G
B
F
CLP/HA
I2C BUS
VERTICAL SYNCSEP
TIMING GENERATOR
MATRIX
SWITCH
SYNCSEP
HORIZONTAL PLL
IDENT SYSTEM
CHROMA SWITCH
ACC
SECAM CLOCHE
FILTER TUNING
SECAM DEMOD
DELAY
TRAP
CHROMA BANDPASS
CHROMA PLL
MUE
PAL/NTSC DEMOD
BIAS
FSC BUFFER
-(R-Y)
-(B-Y)
U IN
V IN
SCL
SDA
VCC
DIG DEC
VSS
SCCP
VA
U OUT
V OUT
Y OUT
VO PROT
O PORT/LLC

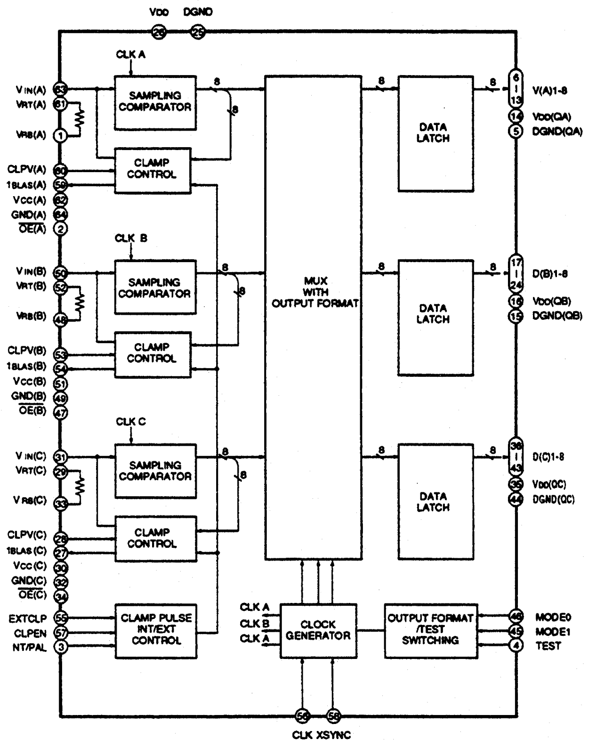
TLC2932IPW-E20 (IC9001)


LOGIC VDD
SELECT
VCO OUT
FIN-A
FIN-B
PFD OUT
LOGIC GND
1/2 DIVIDER
VCO
PFD
VCO VDD
R BIAS
VCO IN
VCO GND
VCO INHIBIT
PFD INHIBIT
NC

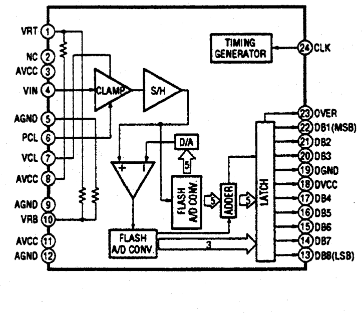
TLC2933IPW-E20 (IC9004)


LOGIC VDD
TEST
VCO OUT
FIN-A
FIN-B
PFD OUT
LOGIC GND
RING OSC
BIAS CONTROL
PFD
CHARGE PUMP
VCO VDD
RBIAS
CONT VOL
VCO GND
VCO INH
PFD INH
NC

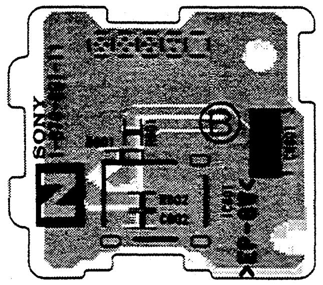
TLC5733AIPM (IC9006)


VDD
DGND
CLK A
CLK B
CLK C
SAMPLING COMPARATOR
CLAMP CONTROL
MUX WITH OUTPUT FORMAT
DATA LATCH
CLAMP PULSE INT/EXT CONTROL
CLOCK GENERATOR
OUTPUT FORMAT /TEST SWITCHING
EXTCLP
CLPEN
NT/PAL
MODE0
MODE1
TEST
CLK
XSYNC
D(A)1-8
D(B)1-8
D(C)1-8

uPC659AGS-E2 (IC1253)

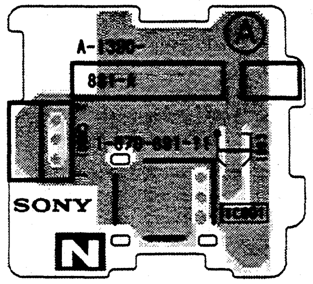

VRT
NC
AVCC
VIN
AGND
PCL
VCL
AVCC
AGND
VRB
AVCC
AGND
CLAMP
S/H
D/A
FLASH A/D CONV
TIMING GENERATOR
LATCH
CLK
OVER
DB1(MSB)
DB2
DB3
DGND
DVCC
DB4
DB5
DB6
DB7
DB8(LSB)

N



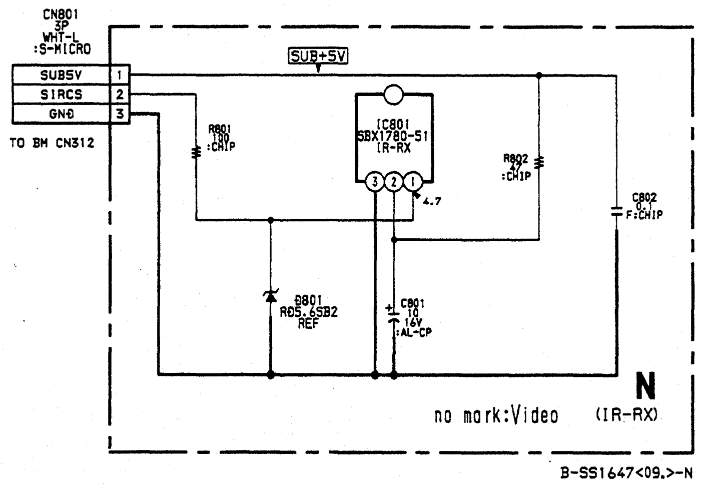
N - B SIDE -

SUFFIX ; -11

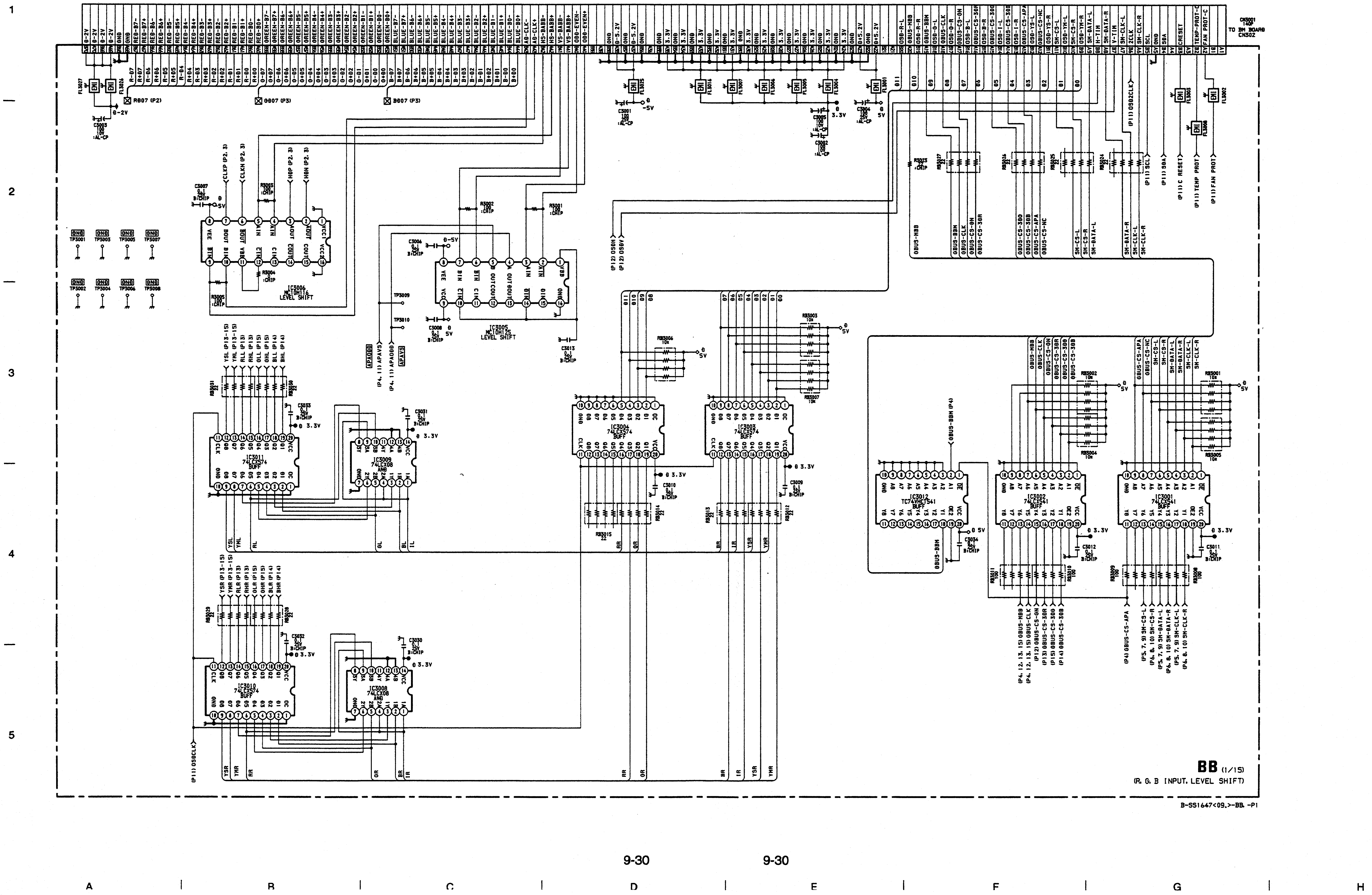

A-1300-
SONY
N

N - A SIDE -

SUFFIX ; -11


CN801
3P
WHT-L
:S-MICRO
SUB5V 1
SIRCS 2
GND 3
TO BM CN312
SUB+5V
R801
100
:CHIP
IC801
SBX1780-51
IR-RX
3 2 1
4.7
R802
47
:CHIP
C802
0.1
F:CHIP
D801
RD5.6SB2
REF
C801
10
16V
:AL-CP
N
no mark:Video
(IR-RX)
B-SS1647<09.>-N

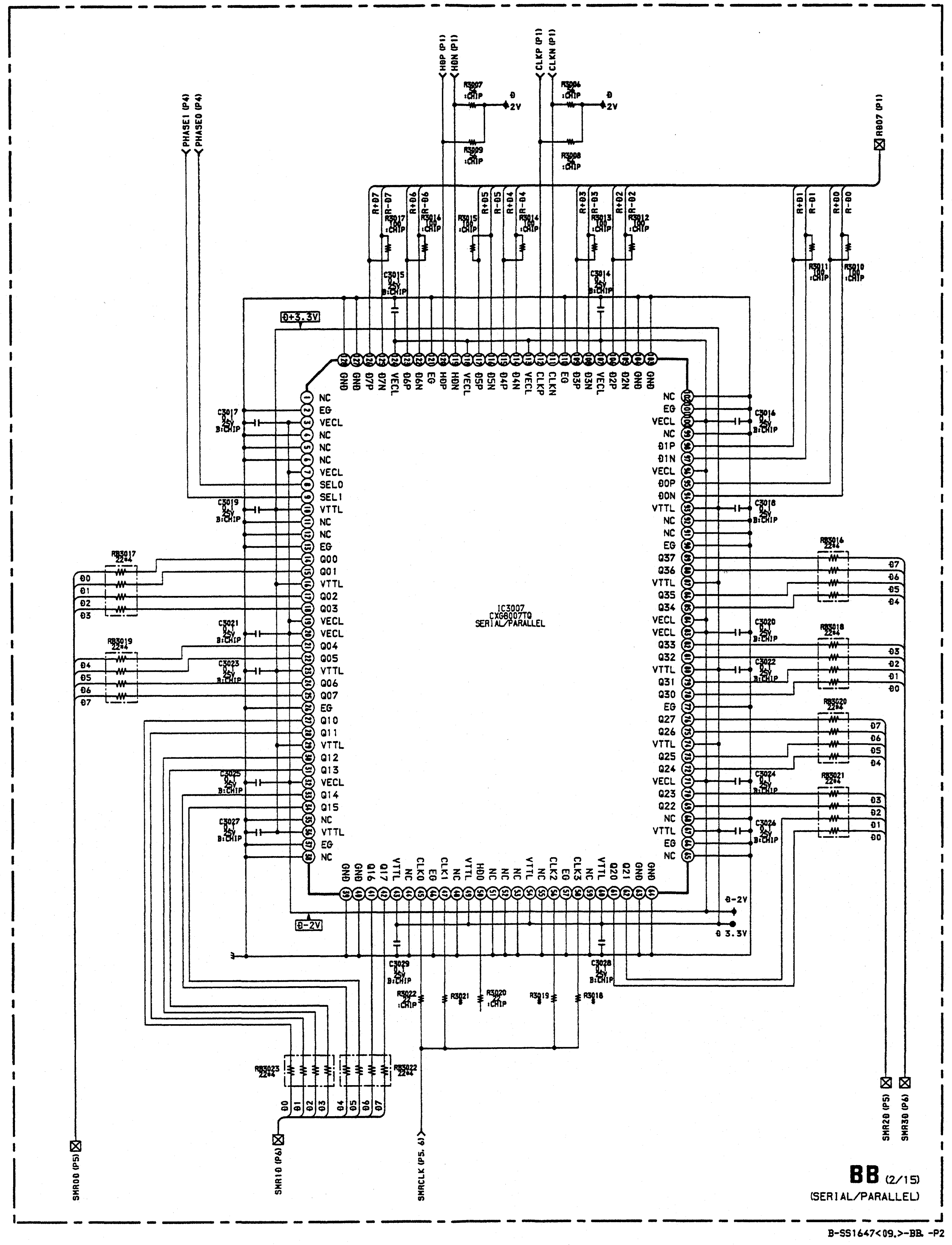
- Refer to page 9-28, 9-29 for Printed Wiring Board


CN3001 140P TO BM BOARD CN302
IC3006 MC10H116 LEVEL SHIFT
IC3005 MC10H125 LEVEL SHIFT
IC3011 74LCX574 BUFF
IC3009 74LCX08 AND
IC3010 74LCX574 BUFF
IC3008 74LCX08 AND
IC3004 74LCX574 BUFF
IC3003 74LCX574 BUFF
IC3012 TC74VHCT541 BUFF
IC3002 74LCX541 BUFF
IC3001 74LCX541 BUFF
1
2
3
4
5
A
B
C
D
E
F
G
H

BB (1/15)
(R, G, B INPUT, LEVEL SHIFT)

B-SS1647<09.>-BB -P1

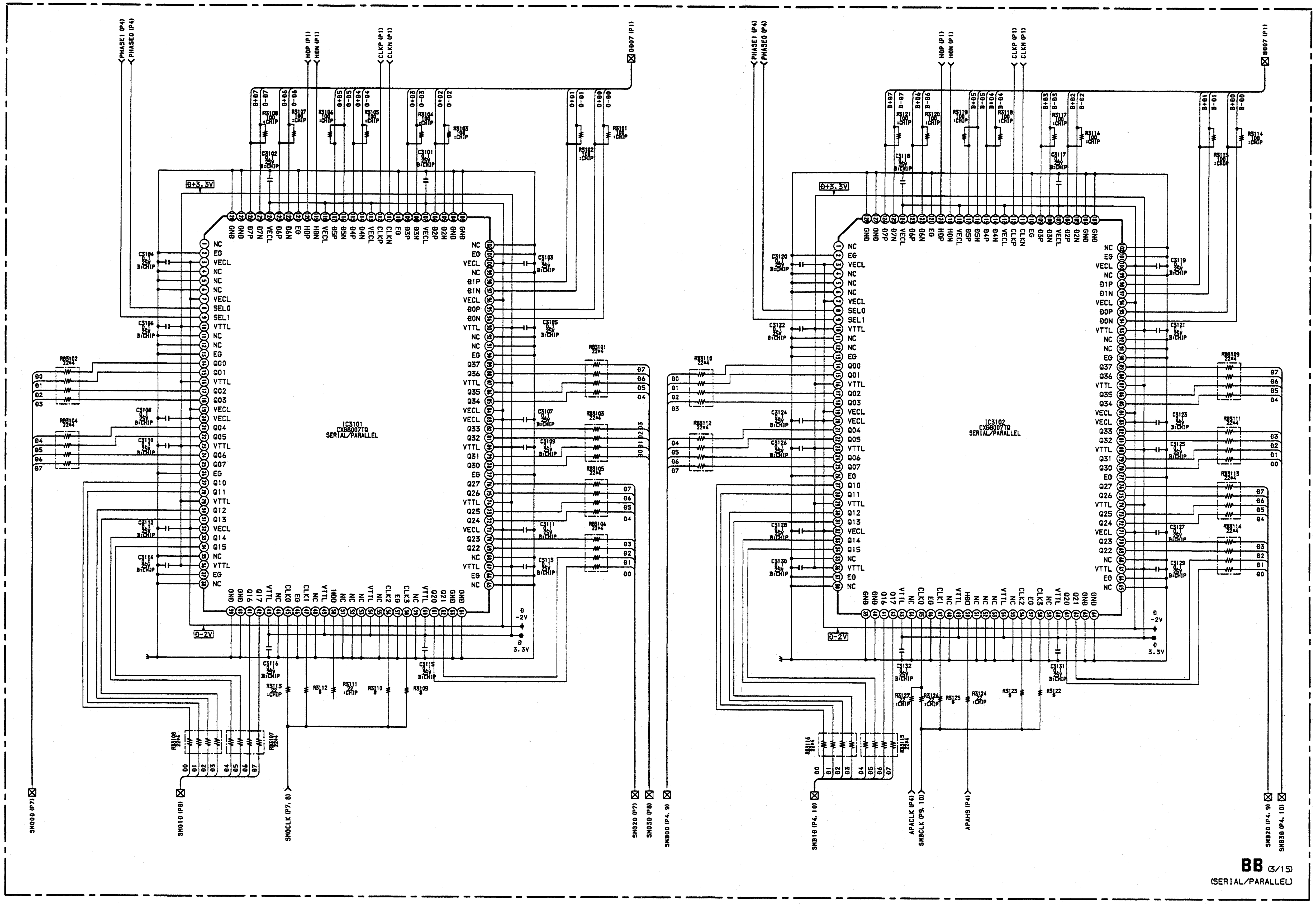
- Refer to page 9-28, 9-29 for Printed Wiring Board


HDP (P1)
HDN (P1)
CLKP (P1)
CLKN (P1)
PHASE1 (P4)
PHASE0 (P4)
RB07 (P1)
+3.3V
-2V
IC3007
CXG8007TQ
SERIAL/PARALLEL
SHR00 (P5)
SHR10 (P6)
SHRCLK (P5, 6)
SHR20 (P5)
SHR30 (P6)
BB (2/15)
(SERIAL/PARALLEL)

B-SS1647<09.>-BB -P2

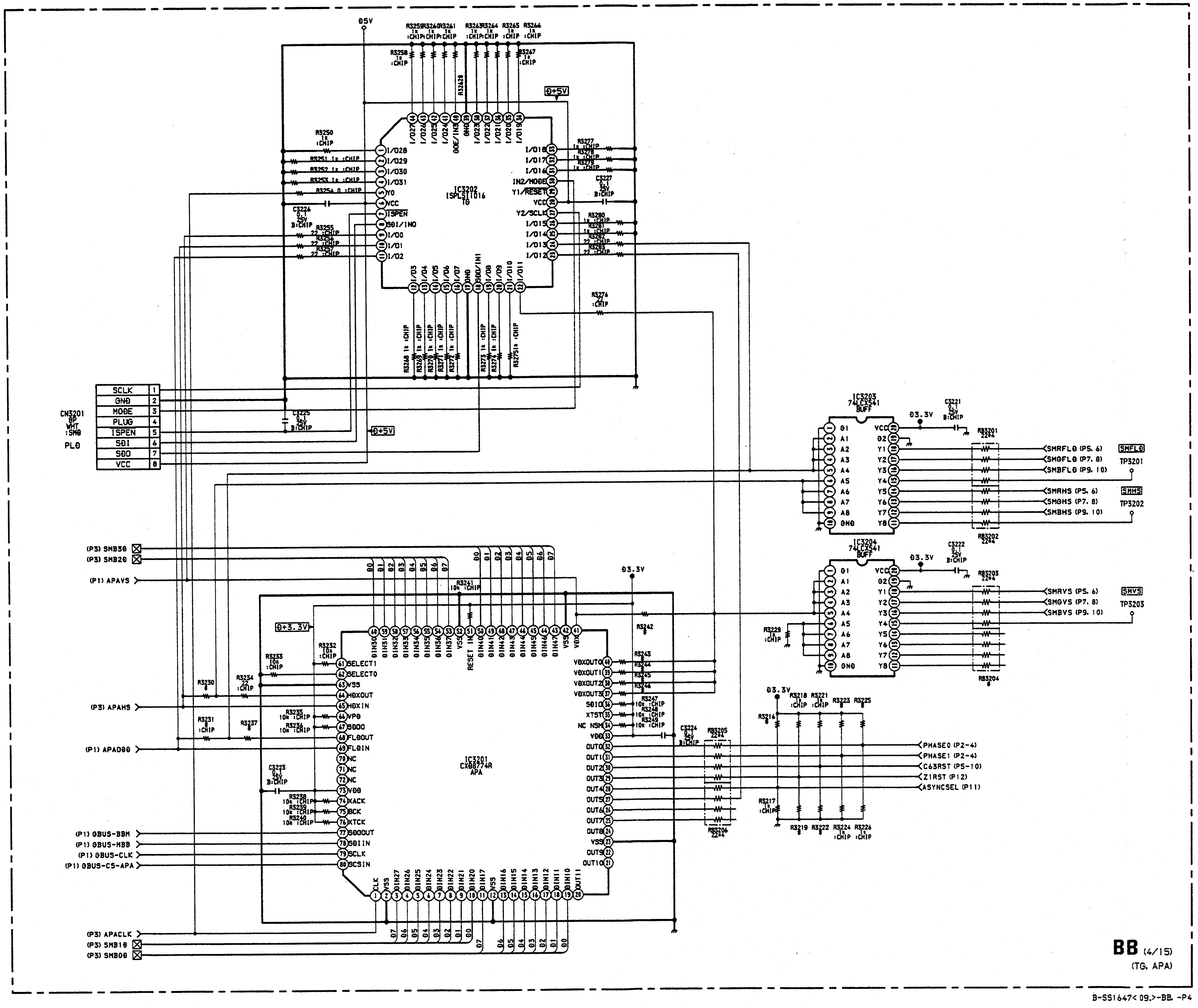
1
2
3
4
5
A B C D E F G H

- Refer to page 9-28, 9-29 for Printed Wiring Board


IC3101
CXG8007TQ
SERIAL/PARALLEL
IC3102
CXG8007TQ
SERIAL/PARALLEL
PHASE1 (P4)
PHASE0 (P4)
HDP (P1)
HDN (P1)
CLKP (P1)
CLKN (P1)
G807 (P1)
B807 (P1)
G+3.3V
B+3.3V
G-2V
B-2V
3.3V
-2V
SMG00 (P7)
SMG10 (P8)
SMGCLK (P7, 8)
SMG20 (P7)
SMG30 (P8)
SMB00 (P4, 9)
SMB10 (P4, 10)
APACLK (P4)
SMBCLK (P9, 10)
APAHS (P4)
SMB20 (P4, 9)
SMB30 (P4, 10)
BB (3/15)
(SERIAL/PARALLEL)
1
2
3
4
5
A
B
C
D
E
F
G
H

B-SS1647<09.>-BB -P3

- Refer to page 9-28, 9-29 for Printed Wiring Board

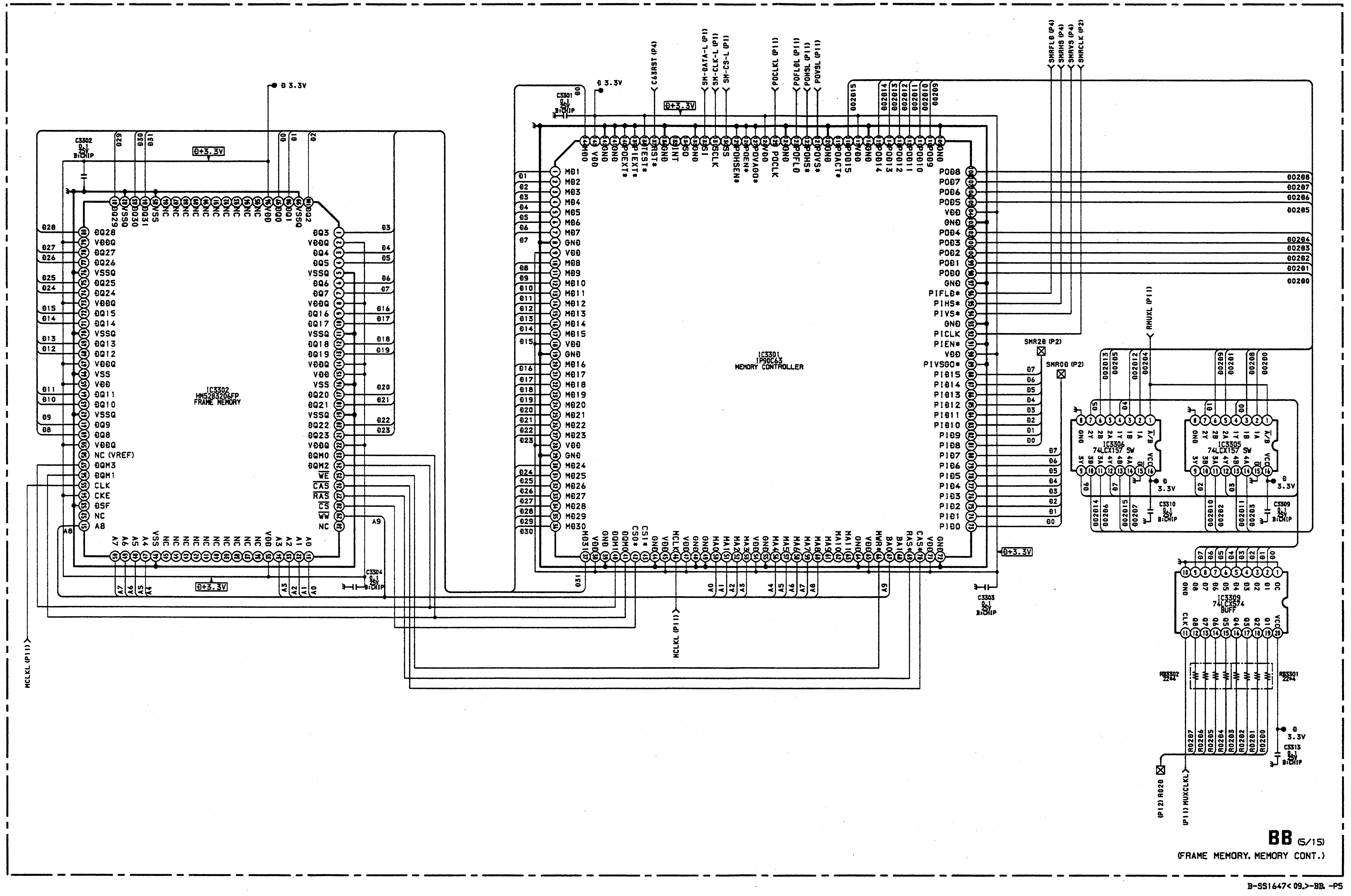


IC3202
ISPLSI1016
IC3201
CXD8774R
APA
IC3203
74LCX541
BUFF
IC3204
74LCX541
BUFF
CN3201
8P
WHT
:SMD
PLD
SCLK
GND
MODE
PLUG
ISPEN
SDI
SDO
VCC
(P3) SMBS0
(P3) SMB20
(P1) APAVS
(P3) APAHS
(P1) APADBO
(P1) OBUS-DBM
(P1) OBUS-MBB
(P1) OBUS-CLK
(P1) OBUS-CS-APA
(P3) APACLK
(P3) SMB10
(P3) SMB00
SMRFLD (P5. 6)
SMGFLD (P7. 8)
SMBFLD (P9. 10)
SMRHS (P5. 6)
SMGHS (P7. 8)
SMBHS (P9. 10)
SMRVS (P5. 6)
SMGVS (P7. 8)
SMBVS (P9. 10)
SMFLD
TP3201
SMHS
TP3202
SMVS
TP3203
PHASE0 (P2-4)
PHASE1 (P2-4)
C63RST (P5-10)
Z1RST (P12)
ASYNCSEL (P11)
D5V
D3.3V
D+5V
D+3.3V
BB (4/15)
(TG. APA)
B-SS1647<09.>-BB. -P4

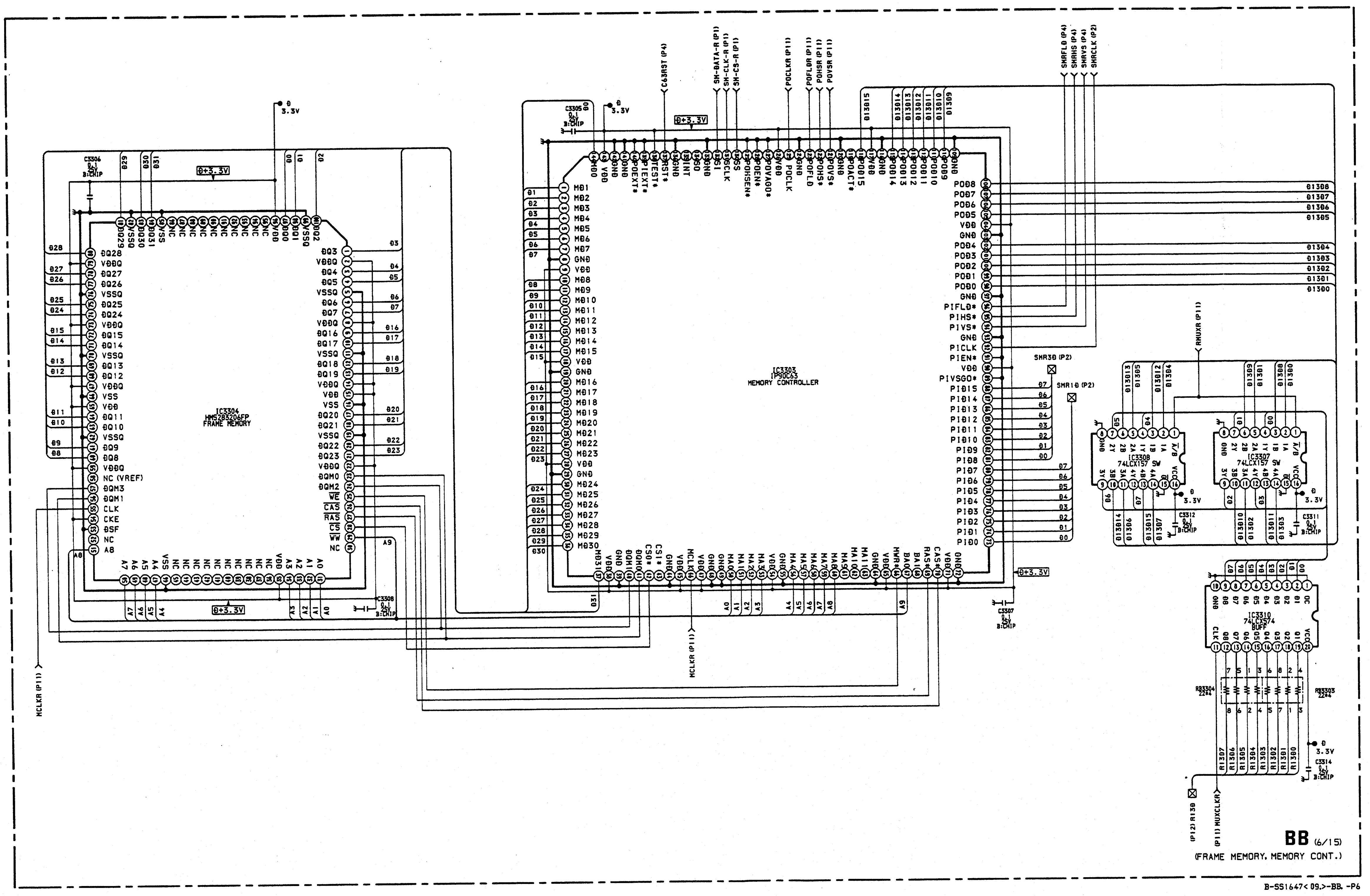
1
2
3
4
5

A | B | C | D | E | F | G | H

- Refer to page 9-28, 9-29 for Printed Wiring Board


IC3302
HM5283206FP
FRAME MEMORY
IC3301
IP90C63
MEMORY CONTROLLER
IC3306
74LCX157 SW
IC3305
74LCX157 SW
IC3309
74LCX574
BUFF
C3301
C3302
C3303
C3304
C3309
C3310
C3313
0.1
25V
B:CHIP
RB3301
RB3302
22k
Ð 3.3V
Ð+3.3V
C63RST (P4)
SM-DATA-L (P1)
SM-CLK-L (P1)
SM-CS-L (P1)
POCLKL (P11)
POFLDL (P11)
POHSL (P11)
POVSL (P11)
SMRFLD (P4)
SMRHS (P4)
SMRVS (P4)
SMRCLK (P2)
RMUXL (P11)
SMR20 (P2)
SMR00 (P2)
MCLKL (P11)
(P12) R020
(P11) MUXCLKL
BB (5/15)
(FRAME MEMORY, MEMORY CONT.)
B-SS1647<09.>-BB -P5

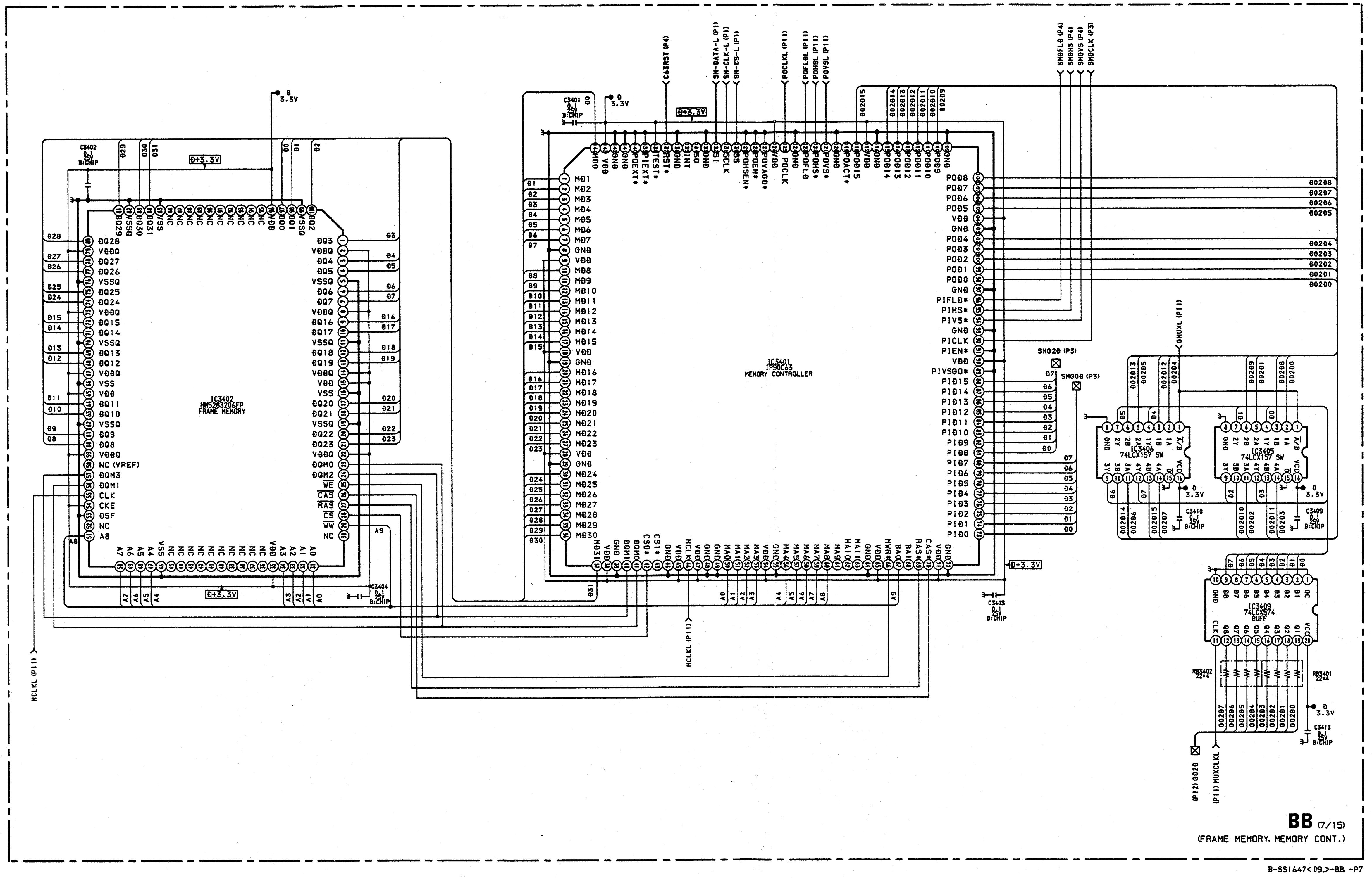
- Refer to page 9-28, 9-29 for Printed Wiring Board


IC3304
HM5283206FP
FRAME MEMORY
IC3303
IP90C63
MEMORY CONTROLLER
IC3308
74LCX157 SW
IC3307
74LCX157 SW
IC3310
74LCX574
BUFF
RB3304 22*4
RB3303 22*4
C3305 0.1 25V B:CHIP
C3306 0.1 25V B:CHIP
C3307 0.1 25V B:CHIP
C3308 0.1 25V B:CHIP
C3311 0.1 25V B:CHIP
C3312 0.1 25V B:CHIP
C3314 0.1 25V B:CHIP
Ð+3.3V
Ð 3.3V
C63RST (P4)
SM-DATA-R (P1)
SM-CLK-R (P1)
SM-CS-R (P1)
POCLKR (P11)
POFLDR (P11)
POHSR (P11)
POVSR (P11)
SMRFLD (P4)
SMRHS (P4)
SMRVS (P4)
SMRCLK (P2)
SMR3Ð (P2)
SMR1Ð (P2)
RMUXR (P11)
MCLKR (P11)
(P12) RI3Ð
(P11) MUXCLKR
RI300
RI301
RI302
RI303
RI304
RI305
RI306
RI307

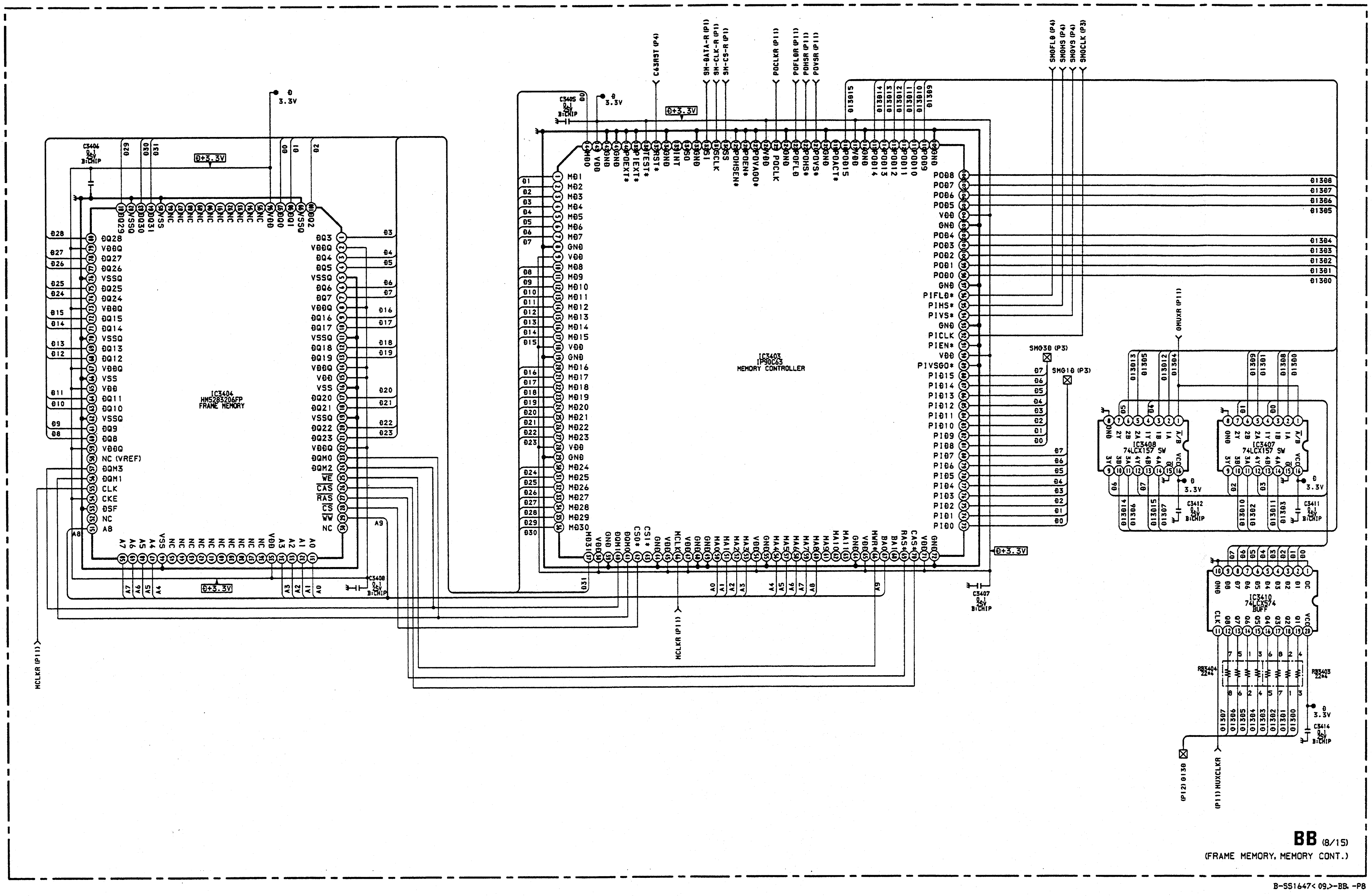
BB (6/15)
(FRAME MEMORY, MEMORY CONT.)

B-SS1647<09.>-BB. -P6

• Refer to page 9-28, 9-29 for Printed Wiring Board


IC3402
HM5283206FP
FRAME MEMORY
IC3401
IP90C63
MEMORY CONTROLLER
IC3406
74LCX157 SW
IC3405
74LCX157 SW
IC3409
74LCX574
BUFF
RB3401 22*4
RB3402 22*4
C3401
C3402
C3403
C3404
C3409
C3410
C3413
D+3.3V
D 3.3V
SMOFLD (P4)
SMOHS (P4)
SMOVS (P4)
SMOCLK (P3)
CGRST (P4)
SH-DATA-L (P1)
SH-CLK-L (P1)
SH-CS-L (P1)
POCLKL (P11)
POFLDL (P11)
POHSL (P11)
POVSL (P11)
DMUXL (P11)
SMGD0 (P3)
SMGD0 (P3)
MCLKL (P11)
MCLKL (P11)
(P12) DD20
(P11) MUXCLKL
BB (7/15)
(FRAME MEMORY, MEMORY CONT.)
B-SS1647<09.>-BB -P7

- Refer to page 9-28, 9-29 for Printed Wiring Board


IC3404
HM5283206FP
FRAME MEMORY
IC3403
IP90C63
MEMORY CONTROLLER
IC3408
74LCX157 SW
IC3407
74LCX157 SW
IC3410
74LCX574
BUFF
RB3404 22*4
RB3403 22*4
C3404 0.1 25V B:CHIP
C3405 0.1 25V B:CHIP
C3406 0.1 25V B:CHIP
C3407 0.1 25V B:CHIP
C3411 0.1 25V B:CHIP
C3412 0.1 25V B:CHIP
C3414 0.1 25V B:CHIP
D+3.3V
D 3.3V
C63RST (P4)
SH-DATA-R (P1)
SH-CLK-R (P1)
SH-CS-R (P1)
POCLKR (P11)
POFLDR (P11)
POHSR (P11)
POVSR (P11)
SHOFLD (P4)
SHOHS (P4)
SHOVS (P4)
SHOCLK (P3)
SHG30 (P3)
SHG10 (P3)
MUXR (P11)
MCLKR (P11)
(P12) D130
(P11) MUXCLKR

BB (8/15)
(FRAME MEMORY, MEMORY CONT.)

B-SS1647< 09.>-BB. -P8

1
2
3
4
5

A B C D E F G H

- Refer to page 9-28, 9-29 for Printed Wiring Board

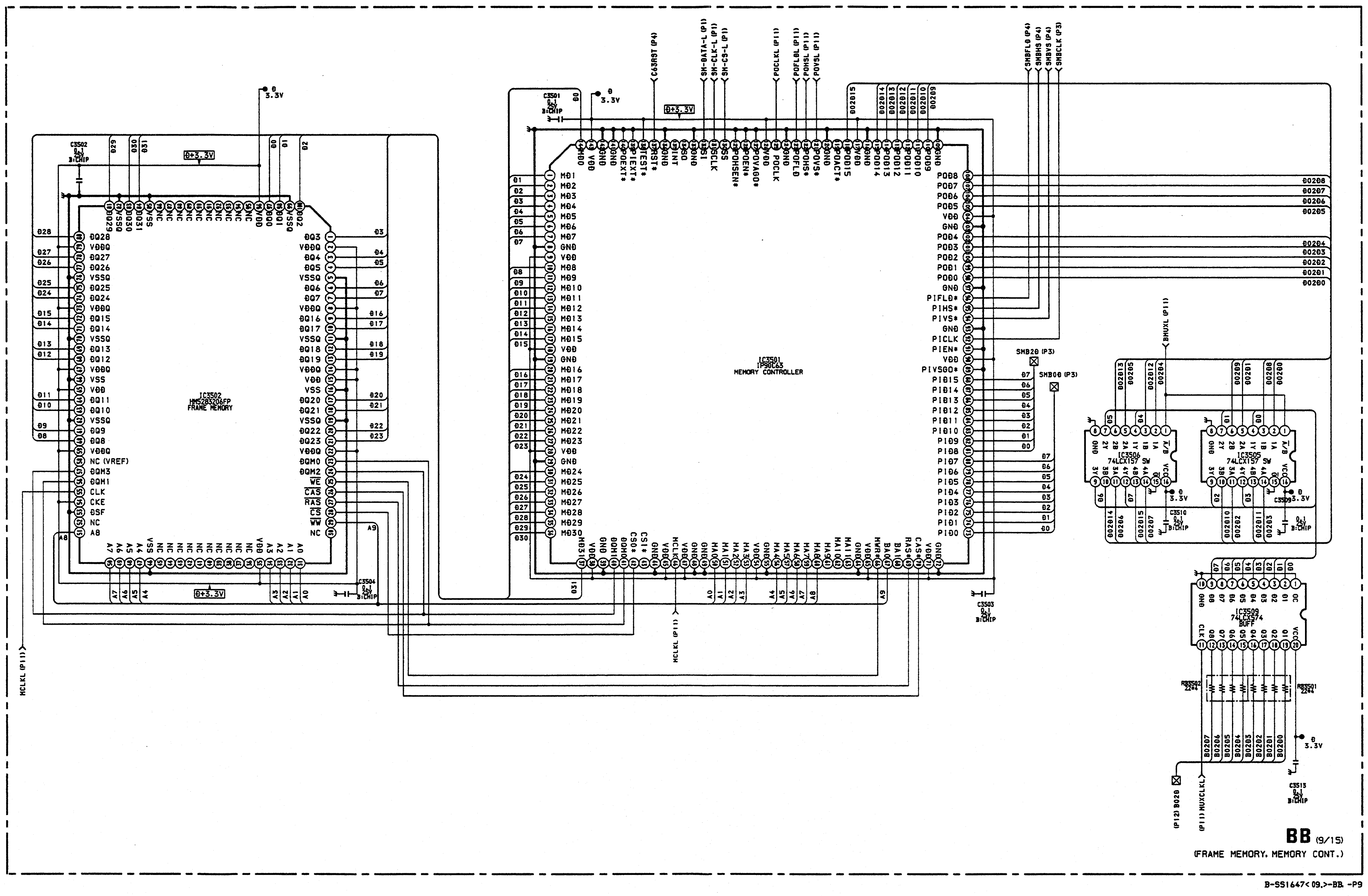
1

2

3

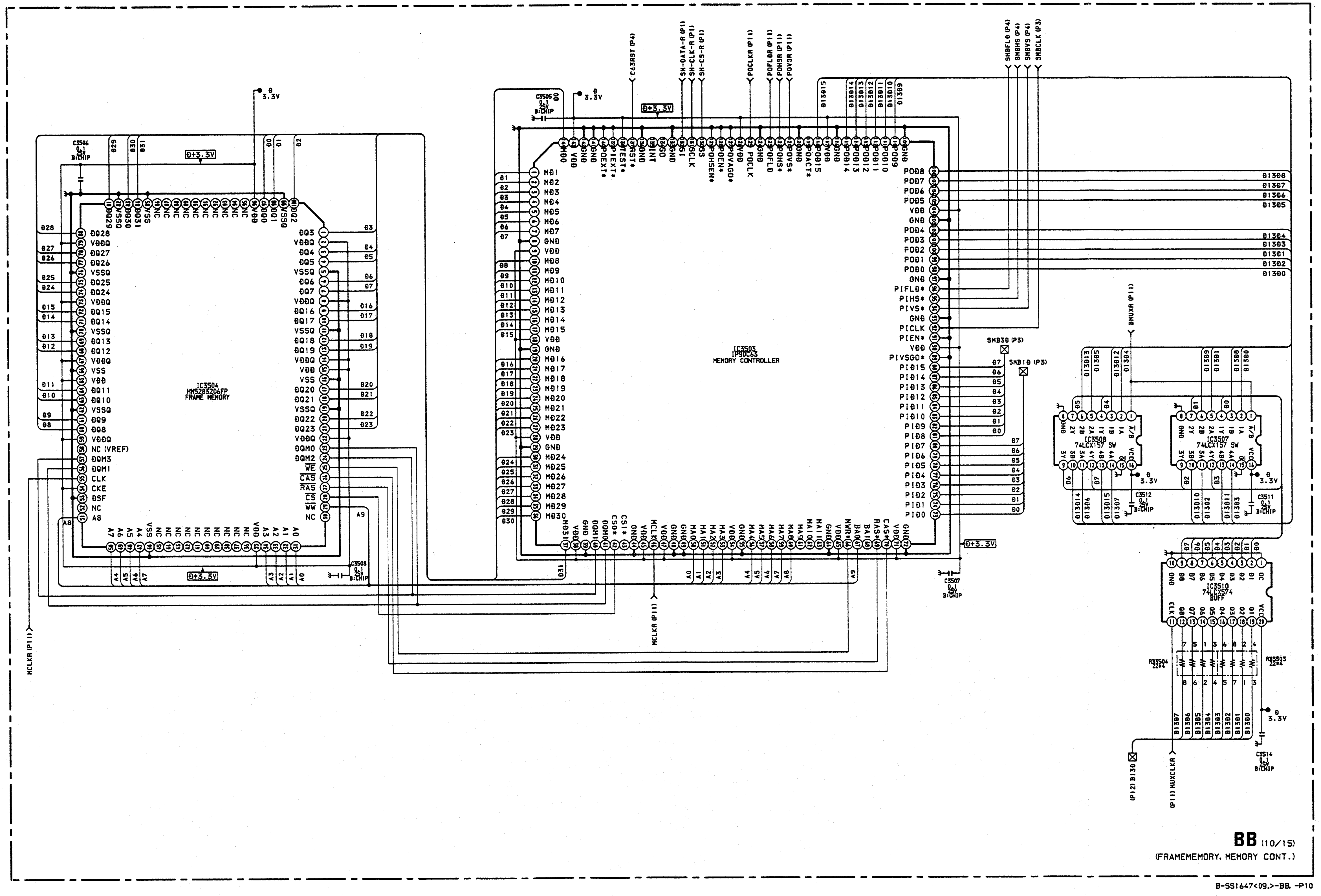
4

5

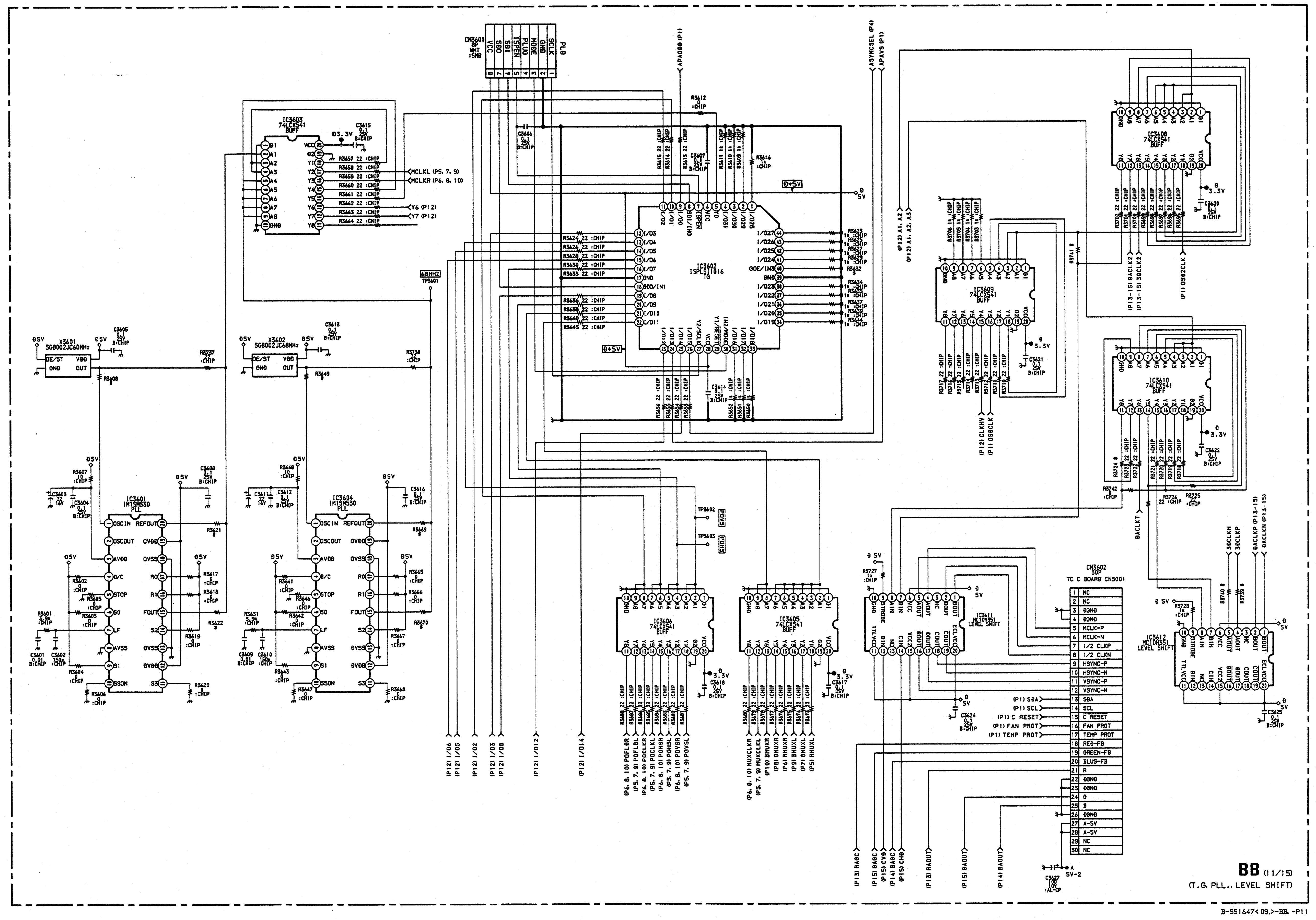

IC3502
HM5283206FP
FRAME MEMORY
IC3501
IP90C63
MEMORY CONTROLLER
IC3506
74LCX157 SW
IC3505
74LCX157 SW
IC3509
74LCX574
BUFF
MCLKL (P11)
BB (9/15)
(FRAME MEMORY, MEMORY CONT.)
B-SS1647<09.>-BB -P9

A | B | C | D | E | F | G | H

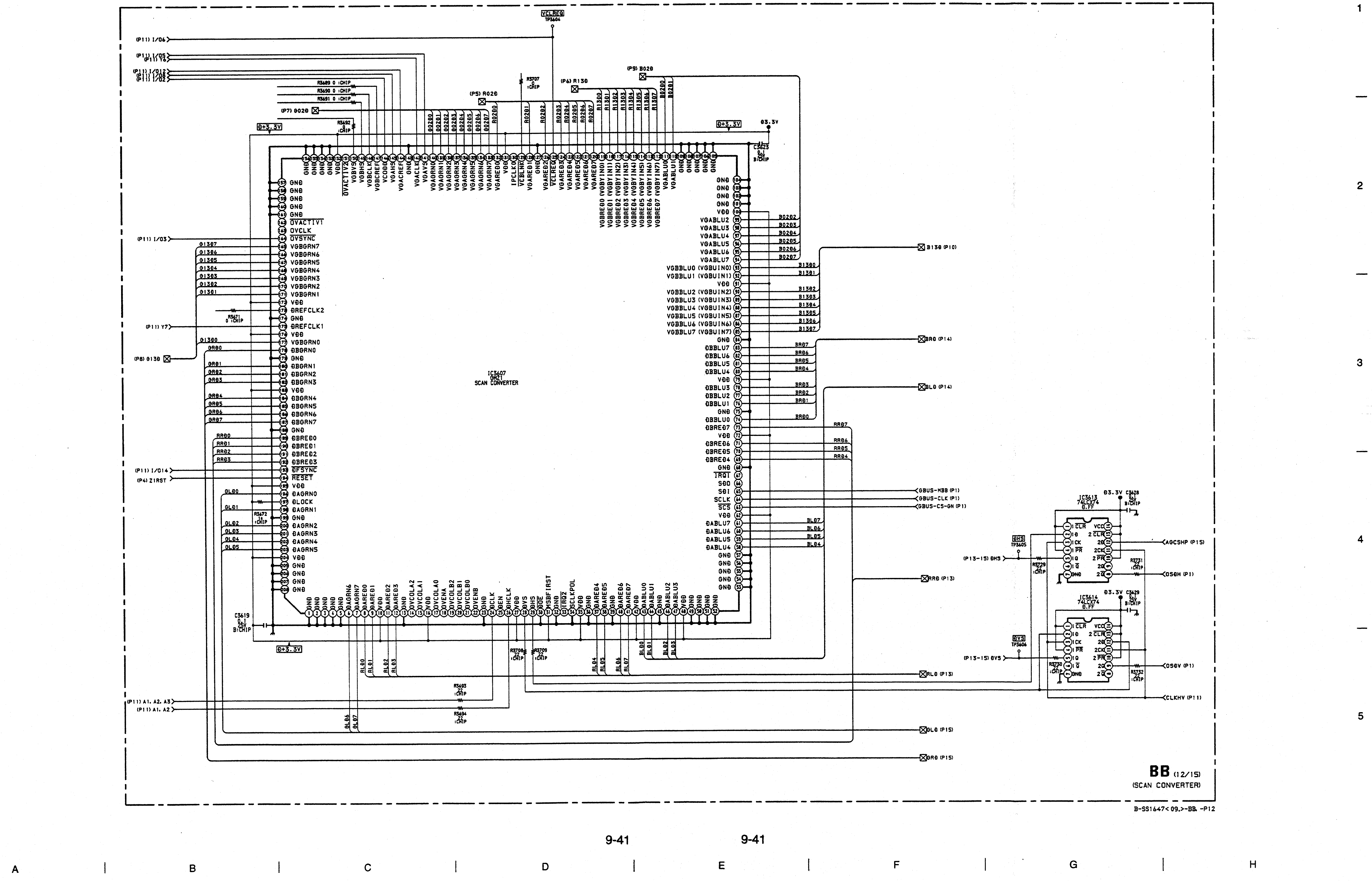
- Refer to page 9-28, 9-29 for Printed Wiring Board


IC3504
HM5283206FP
FRAME MEMORY
IC3503
IP90C63
MEMORY CONTROLLER
IC3508
74LCX157 SW
IC3507
74LCX157 SW
IC3510
74LCX574
BUFF
RB3504 22*4
RB3503 22*4
C3504
C3505
C3507
C3508
C3511
C3512
C3514
B:CHIP
3.3V
MCLKR (P11)
MUXR (P11)
(P11) MUXCLKR
(P12) BI30
SMB30 (P3)
SMB10 (P3)
BB (10/15)
(FRAMEMEMORY, MEMORY CONT.)
B-SS1647<09.>-BB. -P10

• Refer to page 9-28, 9-29 for Printed Wiring Board

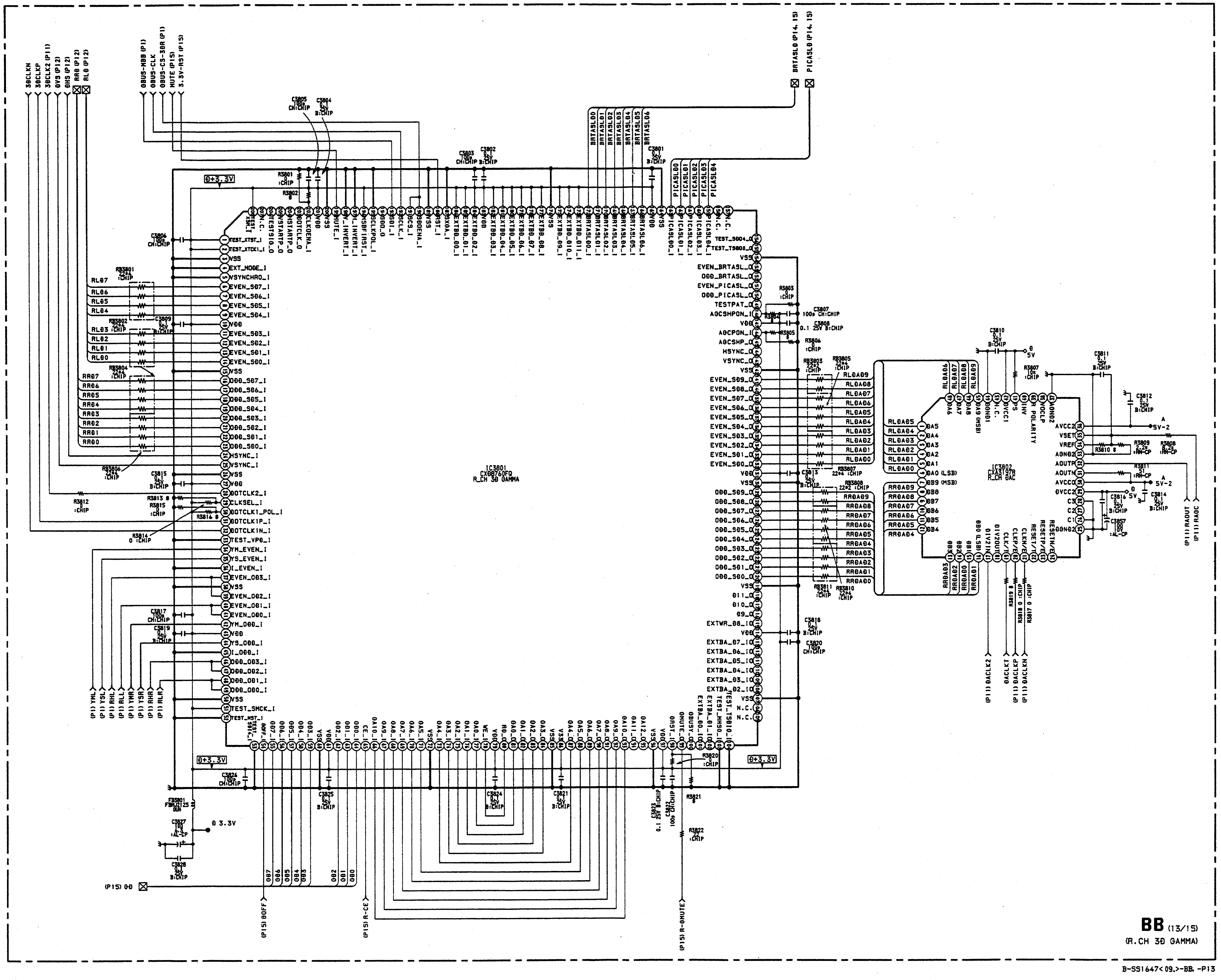

1
2
3
4
5
CN3601 8P WHT :SMB
VCC SDO SDI ISPEN PLUG MODE GND SCLK
PLD
APAOBD (P1)
ASYNCSEL (P4)
APAVS (P1)
IC3603 74LCX541 BUFF
03.3V
C3615 0.1 25V B:CHIP
R3657 22 :CHIP
R3658 22 :CHIP
R3659 22 :CHIP
R3660 22 :CHIP
R3661 22 :CHIP
R3662 22 :CHIP
R3663 22 :CHIP
R3664 22 :CHIP
MCLKL (P5. 7. 9)
MCLKR (P6. 8. 10)
Y6 (P12)
Y7 (P12)
C3606 0.1 25V B:CHIP
R3612 0 :CHIP
C3607 0.1 25V B:CHIP
R3616 1k :CHIP
0+5V
0 5V
IC3602 ISPLSI1016 TG
I/O27 I/O26 I/O25 I/O24 GOE/IN3 GND I/O23 I/O22 I/O21 I/O20 I/O19
I/O3 I/O4 I/O5 I/O6 I/O7 GND SDO/IN1 I/O8 I/O9 I/O10 I/O11
I/O2 I/O1 I/O0 SDI/IN0 ISPEN VCC Y0 I/O31 I/O30 I/O29 I/O28
I/O12 I/O13 I/O14 I/O15 Y2/SCLK VCC Y1/RESET IN2/MODE I/O16 I/O17 I/O18
R3624 22 :CHIP
R3626 22 :CHIP
R3628 22 :CHIP
R3630 22 :CHIP
R3633 22 :CHIP
R3636 22 :CHIP
R3638 22 :CHIP
R3640 22 :CHIP
R3645 22 :CHIP
R3623 1k :CHIP
R3625 1k :CHIP
R3627 1k :CHIP
R3629 1k :CHIP
R3632
R3634 1k :CHIP
R3635 1k :CHIP
R3637 1k :CHIP
R3639 1k :CHIP
R3644 1k :CHIP
C3614 0.1 25V B:CHIP
68MHZ
TP3601
X3601 SG8002JC60MHz
X3602 SG8002JC68MHz
OE/ST VDD GND OUT
C3605 0.1 25V B:CHIP
C3613 0.1 25V B:CHIP
R3737 22 :CHIP
R3738 22 :CHIP
R3608
R3649
IC3601 IMISM530 PLL
IC3604 IMISM530 PLL
OSCIN REFOUT OSCOUT OVDD AVDD OVSS O/C RO STOP R1 S0 FOUT LF S2 AVSS DVSS S1 DVDD SSON S3
R3607 10 :CHIP
R3648 10 :CHIP
C3603 22 16V
C3604 0.1 25V B:CHIP
C3611 22 16V
C3612 0.1 25V B:CHIP
C3608 0.1 25V B:CHIP
C3616 0.1 25V B:CHIP
R3601 3.9k :CHIP
R3631 3.9k :CHIP
C3601 0.01 B:CHIP
C3602 150p :CHIP
C3609 0.01 B:CHIP
C3610 150p :CHIP
R3621
R3669
R3622
R3670
TP3602 PDVS
TP3603 PDHS
IC3606 74LCX541 BUFF
IC3605 74LCX541 BUFF
C3618 0.1 25V B:CHIP
C3617 0.1 25V B:CHIP
(P12) I/O6
(P12) I/O5
(P12) I/O2
(P12) I/O3
(P12) I/O8
(P12) I/O12
(P12) I/O14
(P6. 8. 10) POFLDR
(P5. 7. 9) POFLDL
(P6. 8. 10) POCLKR
(P5. 7. 9) POCLKL
(P6. 8. 10) POHSR
(P5. 7. 9) POHSL
(P6. 8. 10) POVSR
(P5. 7. 9) POVSL
(P6. 8. 10) MUXCLKR
(P5. 7. 9) MUXCLKL
(P10) BMUXR
(P8) GMUXR
(P6) RMUXR
(P9) BMUXL
(P7) GMUXL
(P5) RMUXL
IC3608 74LCX541 BUFF
IC3609 74LCX541 BUFF
IC3610 74LCX541 BUFF
C3620 0.1 25V B:CHIP
C3621 0.1 25V B:CHIP
C3622 0.1 25V B:CHIP
(P12) A1. A2
(P12) A1. A2. A3
(P13-15) DACLK2
(P13-15) 3DCLK2
(P1) OSD2CLK
(P12) CLKHV
(P1) OSDCLK
R3741
R3742 0 :CHIP
R3726 22 :CHIP
R3725 22 :CHIP
DACLKT
3DCLKN
3DCLKP
DACLKP (P13-15)
DACLKN (P13-15)
IC3611 MC10H351 LEVEL SHIFT
IC3612 MC10H351 LEVEL SHIFT
GND STROBE AIN BIN VCC AOUT AOUT NC BOUT BOUT
TTLVCC DIN NC CIN VCC2 DOUT DOUT COUT COUT ECLVCC
R3727 1k :CHIP
R3728 1k :CHIP
R3740
R3739
C3624 0.1 25V B:CHIP
C3625 0.1 25V B:CHIP
CN3602 30P TO C BOARD CN5001
1 NC
2 NC
3 DGND
4 DGND
5 MCLK-P
6 MCLK-N
7 1/2 CLKP
8 1/2 CLKN
9 HSYNC-P
10 HSYNC-N
11 VSYNC-P
12 VSYNC-N
13 SDA
14 SCL
15 C RESET
16 FAN PROT
17 TEMP PROT
18 RED-FB
19 GREEN-FB
20 BLUS-FB
21 R
22 DGND
23 DGND
24 G
25 B
26 DGND
27 A-5V
28 A-5V
29 NC
30 NC
(P1) SDA
(P1) SCL
(P1) C RESET
(P1) FAN PROT
(P1) TEMP PROT
(P13) RAGC
(P15) GAGC
(P15) CVD
(P14) BAGC
(P15) CHD
(P13) RAOUT
(P15) GAOUT
(P14) BAOUT
C3627 100 10V :AL-CP
A 5V-2
BB (11/15)
(T.G. PLL.. LEVEL SHIFT)
B-SS1647<09.>-BB. -P11

- Refer to page 9-28, 9-29 for Printed Wiring Board

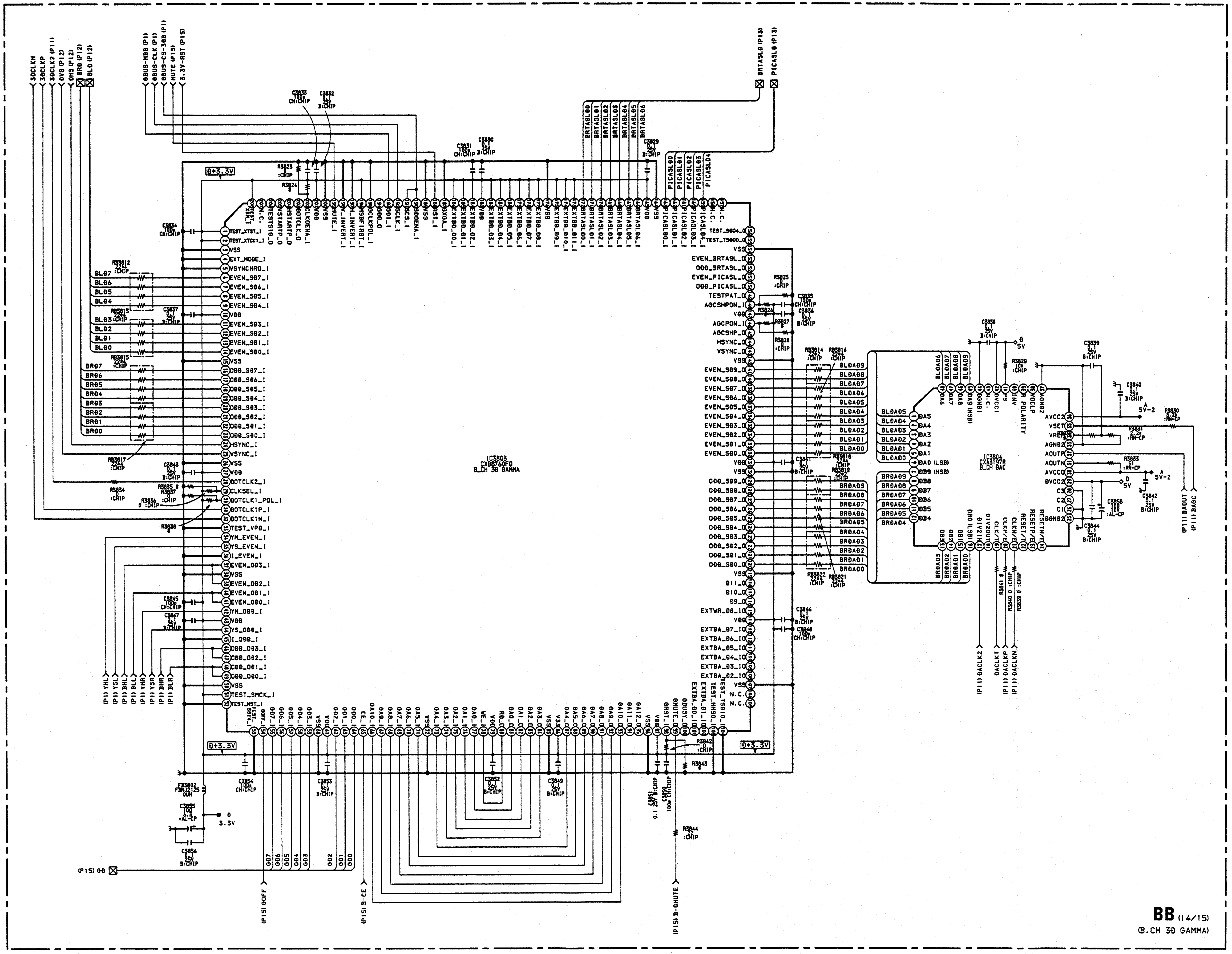

IC3607
GM21
SCAN CONVERTER
IC3613
74LCX74
B.FF
IC3614
74LCX74
B.FF
VCLREQ
TP3604
GHS
TP3605
GVS
TP3606
(P11) I/06
(P11) I/05
(P11) Y6
(P11) I/012
(P11) I/08
(P11) I/02
(P7) G020
(P5) R020
(P6) R130
(P9) B020
(P11) I/03
(P11) Y7
(P8) G130
(P11) I/014
(P4) ZIRST
(P11) A1, A2, A3
(P11) A1, A2
B130 (P10)
BR0 (P14)
BL0 (P14)
GBUS-MBB (P1)
GBUS-CLK (P1)
GBUS-CS-GN (P1)
RR0 (P13)
RL0 (P13)
GL0 (P15)
GR0 (P15)
AGCSHP (P15)
OSGH (P1)
OSGV (P1)
CLKHV (P11)
(P13-15) GHS
(P13-15) GVS
B+3.3V
B3.3V
C3619
C3623
C3628
C3629
R3689 0 :CHIP
R3690 0 :CHIP
R3691 0 :CHIP
R3692
R3707
R3471
R3472
R3693
R3694
R3708
R3709
R3729
R3730
R3731
R3732
CLR
VCC
1Q
1CK
1PR
2CLR
2D
2CK
2PR
2Q
GND
BB (12/15)
(SCAN CONVERTER)
1
2
3
4
5
A
B
C
D
E
F
G
H

B-SS1647<09.>-BB -P12

• Refer to page 9-28, 9-29 for Printed Wiring Board

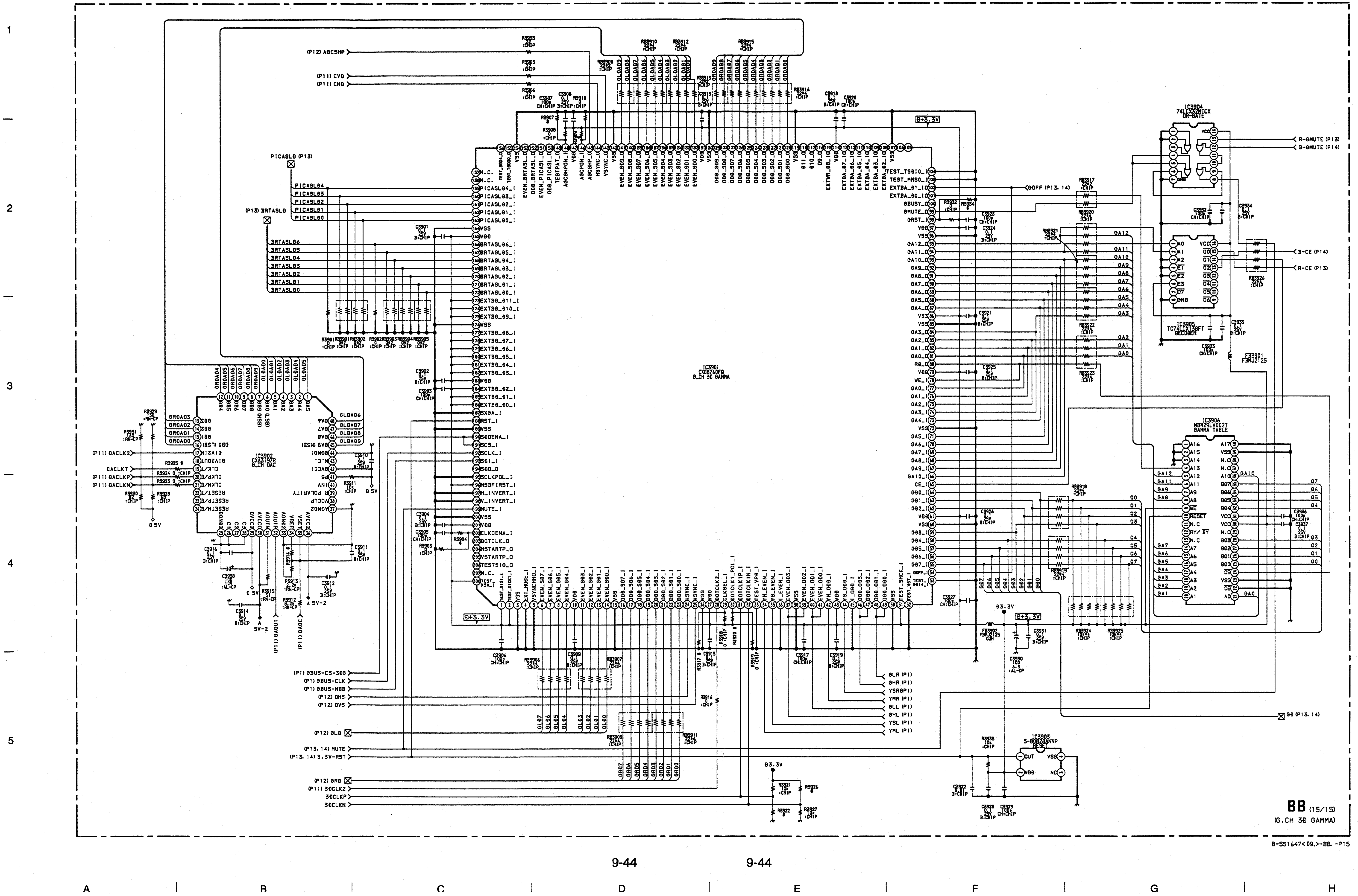

IC3801
CXD8760FQ
R_CH 3D GAMMA
IC3802
CXA3197R
R_CH DAC
BB (13/15)
(R.CH 3D GAMMA)
B-SS1647<09.>-BB.-P13

- Refer to page 9-28, 9-29 for Printed Wiring Board


SDCLKN
SDCLKP
SDCLK2 (P11)
DVS (P12)
DHS (P12)
BRD (P12)
BLD (P12)
DBUS-MSB (P1)
DBUS-CLK (P1)
DBUS-CS-30B (P1)
MUTE (P15)
3.3V-RST (P15)
BRTASL0 (P13)
PICASL0 (P13)
D+3.3V
IC3803
CXD8760FQ
B_CH 30 GAMMA
IC3804
CXA3197R
B_CH DAC
(P1) YHL
(P1) YSL
(P1) BHL
(P1) BLL
(P1) YHR
(P1) YSR
(P1) BHR
(P1) BLR
(P15) D0
(P15) DOFF
(P15) B-CE
(P15) B-MUTE
(P11) DACLK2
DACLKT
(P11) DACLKP
(P11) DACLKN
(P11) BAOUT
(P11) BAGC
5V
5V-2
3.3V
BB (14/15)
(B.CH 30 GAMMA)
1
2
3
4
5

B-SS1647<09.>-BB -P14

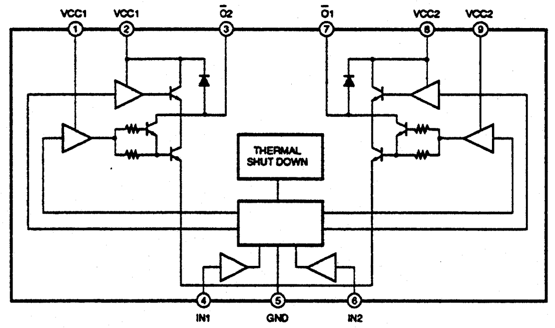
- Refer to page 9-28, 9-29 for Printed Wiring Board


1
2
3
4
5
A
B
C
D
E
F
G
H
(P12) AGCSHP
(P11) CVD
(P11) CHD
PICASLD (P13)
(P13) BRTASLD
IC3901
CXD8760FQ
G_CH 3D GAMMA
IC3902
CXA3197R
G_CH DAC
(P11) DACLK2
DACLKT
(P11) DACLKP
(P11) DACLKN
(P11) DAOUT
(P11) DAGC
IC3903
S-80828ANNP
RESET
IC3904
74LCX32MTCX
OR-GATE
R-GMUTE (P13)
B-GMUTE (P14)
IC3905
TC74LCX138FT
DECODER
B-CE (P14)
R-CE (P13)
FB3901
FBMJ2125
IC3906
MBM29LV002T
GAMMA TABLE
GOFF (P13, 14)
GD (P13, 14)
(P1) GBUS-CS-3DG
(P1) GBUS-CLK
(P1) GBUS-MBB
(P12) DHS
(P12) DVS
(P12) GLD
(P13, 14) MUTE
(P13, 14) 3.3V-RST
(P12) GRD
(P11) 3DCLK2
3DCLKP
3DCLKN
GLR (P1)
GHR (P1)
YSRB(P1)
YMR (P1)
GLL (P1)
GHL (P1)
YSL (P1)
YML (P1)
D+3.3V
D3.3V
D 5V
A 5V-2
BB (15/15)
(G.CH 3D GAMMA)

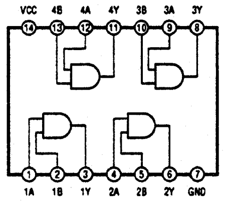
B-SS1647<09.>-BB -P15

BC Board IC Block Diagrams

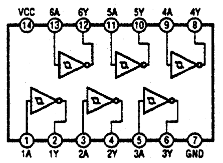
M54544AL (IC4306 – 4308)


VCC1
VCC1
Ō2
Ō1
VCC2
VCC2
1
2
3
7
8
9
THERMAL SHUT DOWN
4
5
6
IN1
GND
IN2

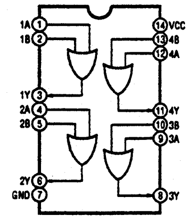
PC74HC08D-T (IC4305)


VCC
4B
4A
4Y
3B
3A
3Y
14
13
12
11
10
9
8
1
2
3
4
5
6
7
1A
1B
1Y
2A
2B
2Y
GND

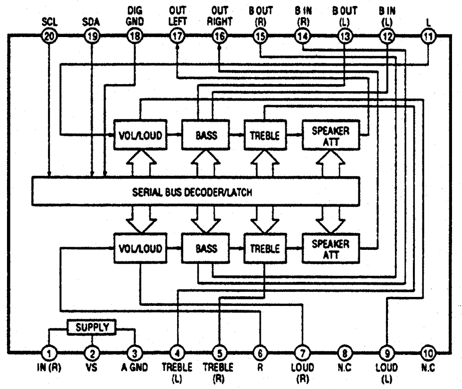
PC74HC14D-T (IC4304)

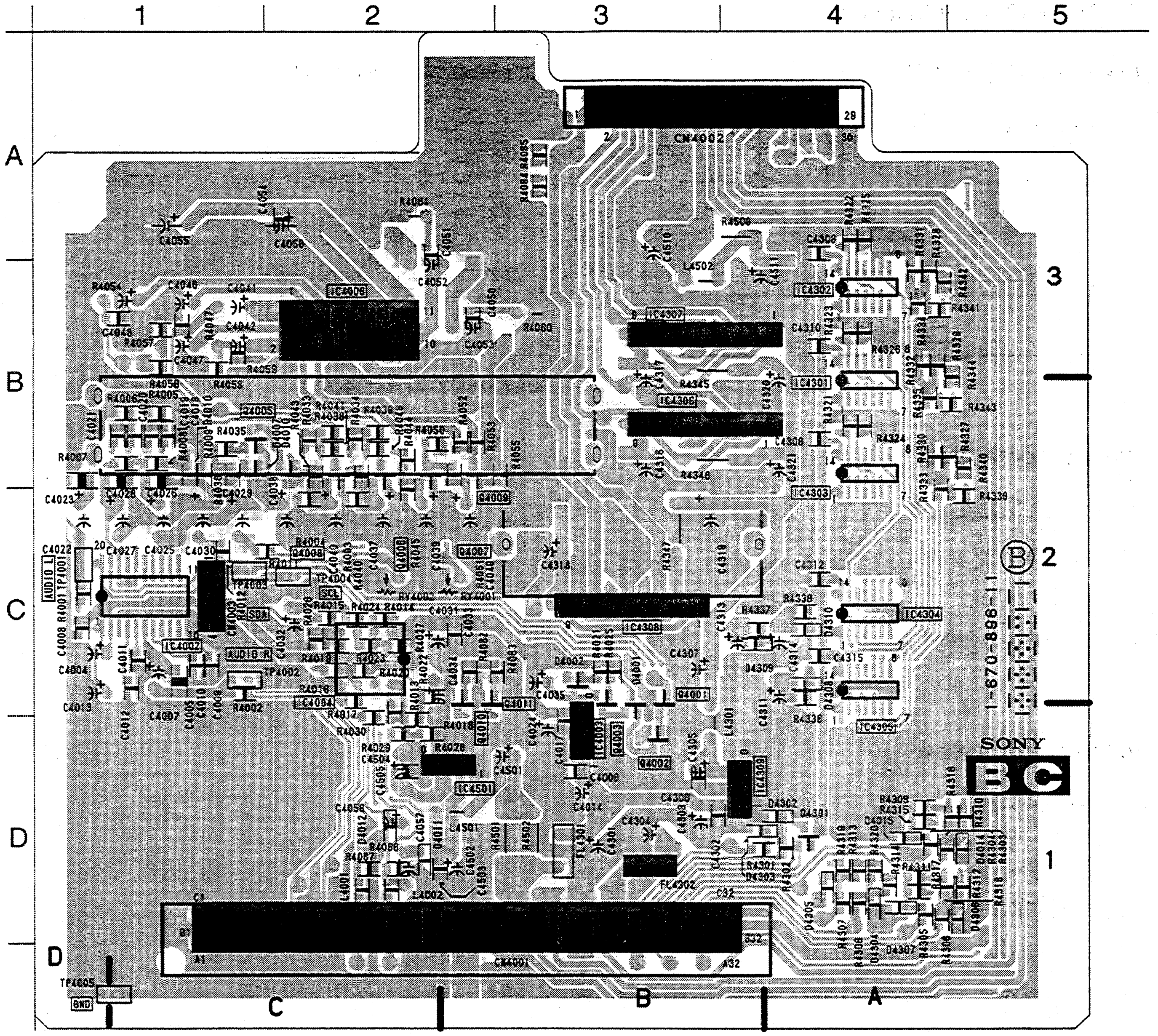

VCC
6A
6Y
5A
5Y
4A
4Y
14
13
12
11
10
9
8
1
2
3
4
5
6
7
1A
1Y
2A
2Y
3A
3Y
GND

PC74HC32D-T (IC4301 – 4303)


1A 1
1B 2
1Y 3
2A 4
2B 5
2Y 6
GND 7
14 VCC
13 4B
12 4A
11 4Y
10 3B
9 3A
8 3Y

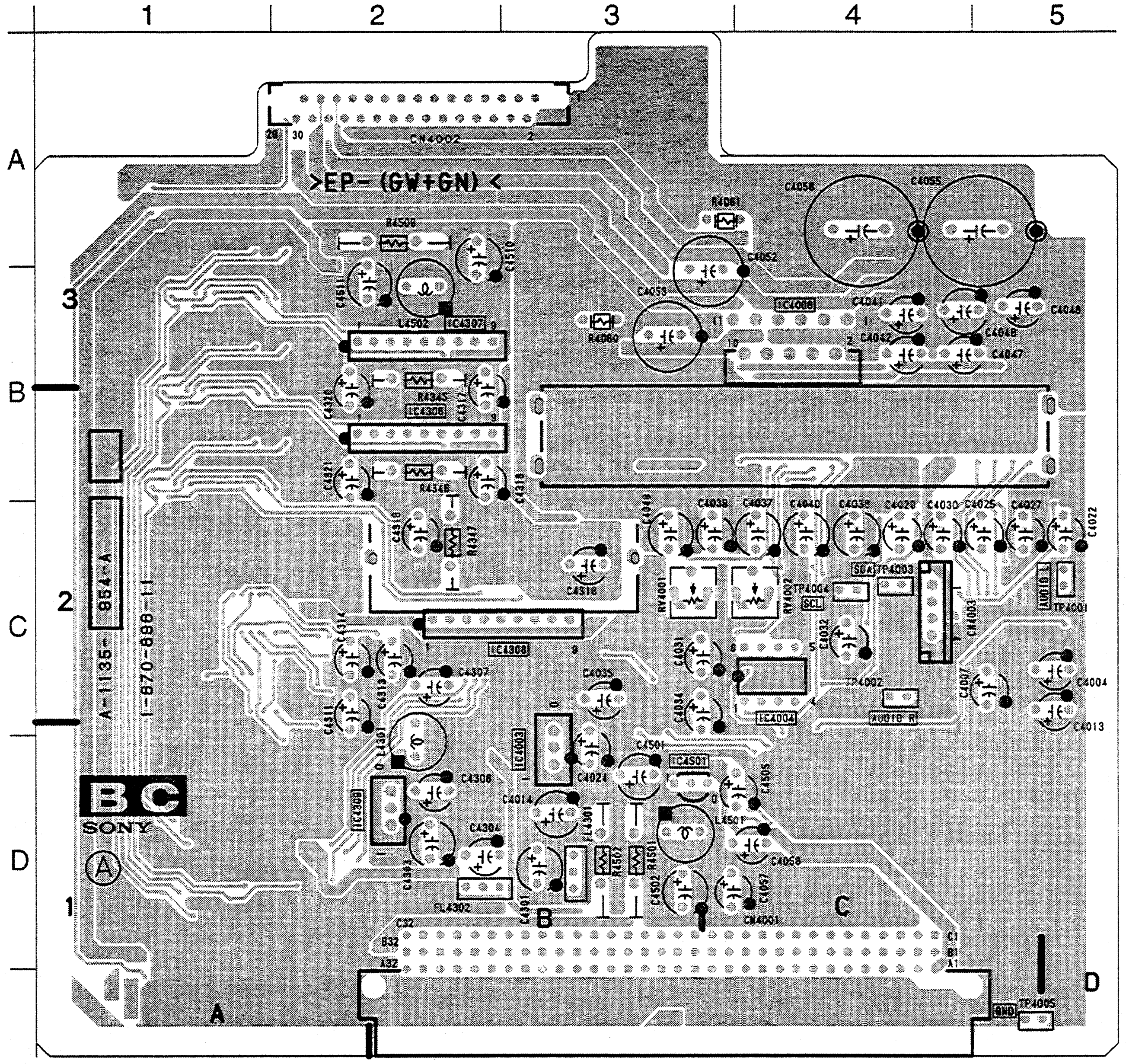
TDA7315D013TR (IC4002)


SCL
SDA
DIG GND
OUT LEFT
OUT RIGHT
B OUT (R)
B IN (R)
B OUT (L)
B IN (L)
L
20
19
18
17
16
15
14
13
12
11
VOL/LOUD
BASS
TREBLE
SPEAKER ATT
SERIAL BUS DECODER/LATCH
VOL/LOUD
BASS
TREBLE
SPEAKER ATT
SUPPLY
1
2
3
4
5
6
7
8
9
10
IN (R)
VS
A GND
TREBLE (L)
TREBLE (R)
R
LOUD (R)
N.C
LOUD (L)
N.C


1
2
3
4
5
A
B
C
D
CN4002
CN4001
1-670-896-11
SONY
BC
TP4005
GND
AUDIO L
AUDIO R
SDA
SCL

BC – B SIDE –

SUFFIX ; -11


1
2
3
4
5
A
B
C
D
CN4002
>EP-(GW+GN)<
A-1135-954-A
1-670-896-11
BC
SONY
TP4005
GND
AUDIO L
AUDIO R
SDA
SCL

BC – A SIDE –

SUFFIX ; -11

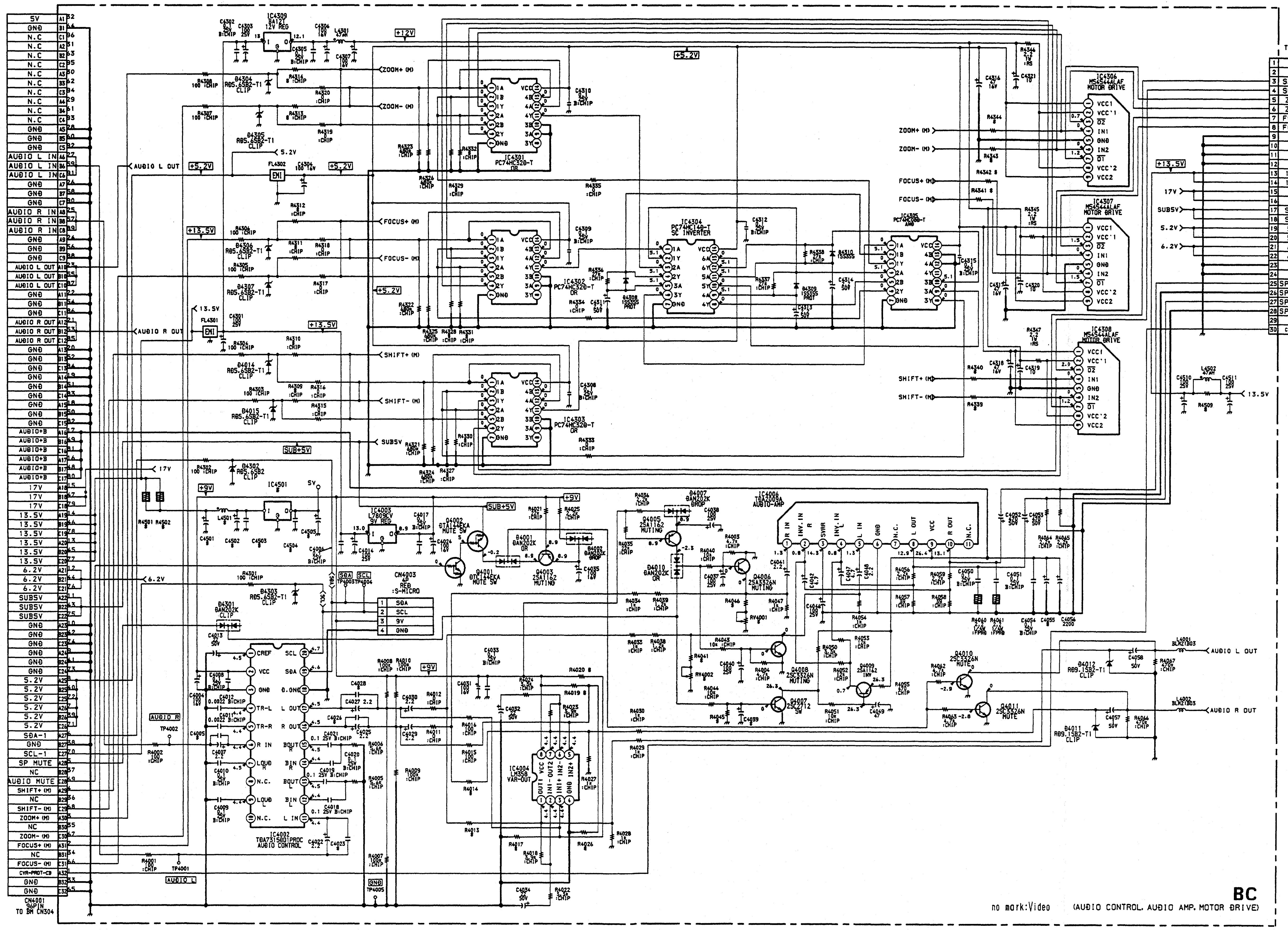
BC

1-670-896-11

D4001	* C-3	IC4303	* B-4
D4002	* C-3	IC4304	* C-4
D4007	* B-1	IC4305	* C-4
D4010	* B-1	IC4306	* B-3
D4011	* D-2	IC4307	* B-3
D4012	* D-2	IC4308	* C-3
D4014	* D-5	IC4309	* D-4
D4015	* D-4		
D4301	* D-4	Q4001	* C-3
D4302	* D-4	Q4002	* D-3
D4303	* D-4	Q4003	* C-3
D4304	* D-4	Q4005	* B-1
D4305	* D-4	Q4006	* C-2
D4306	* D-5	Q4007	* C-2
D4307	* D-4	Q4008	* C-2
D4308	* C-4	Q4009	* C-2
D4309	* C-4	Q4010	* C-2
D4310	* C-4	Q4011	* C-2
IC4003	* D-3	TP4001	* C-1
IC4004	* C-2	TP4002	* C-1
IC4006	* B-2	TP4003	* C-1
IC4301	* B-4	TP4004	* C-2
IC4302	* B-4	TP4005	* D-1

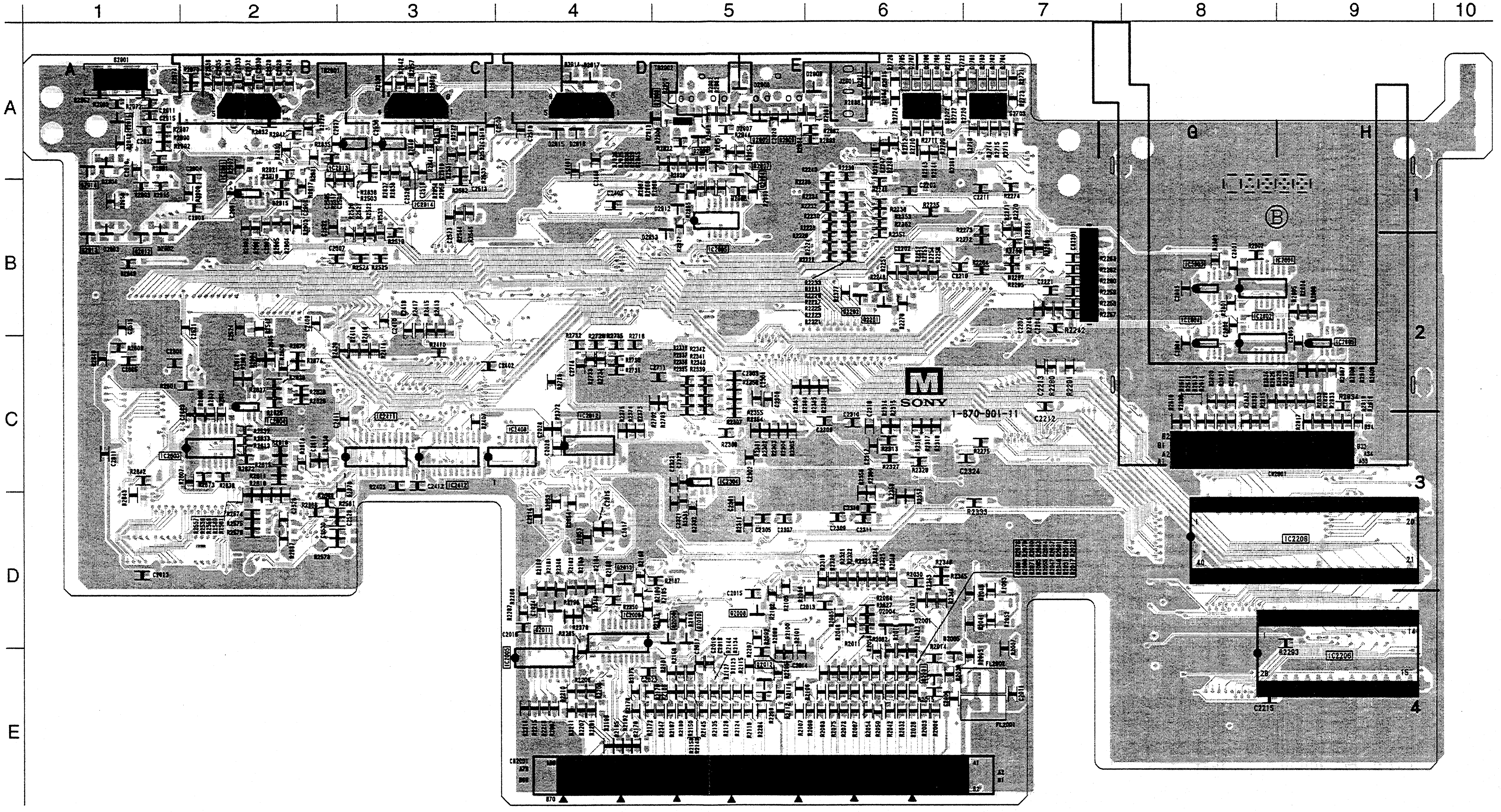
* : B Side mount

- Refer to page 9-46 for Printed Wiring Board
- Refer to page 9-45 for IC Block Diagrams


CN4001
96PIN
TO BM CN304
5V
GND
N.C
AUDIO L IN
AUDIO R IN
AUDIO L OUT
AUDIO R OUT
AUDIO+B
17V
13.5V
6.2V
SUBSV
5.2V
SDA-1
SCL-1
SP MUTE
AUDIO MUTE
SHIFT+ (M)
SHIFT- (M)
ZOOM+ (M)
ZOOM- (M)
FOCUS+ (M)
FOCUS- (M)
CVR-PROT-CB
IC4309
BA12T
12V REG
IC4301
PC74HC32B-T
OR
IC4302
PC74HC32B-T
OR
IC4303
PC74HC32B-T
OR
IC4304
PC74HC14B-T
SC INVERTER
IC4305
PC74HC08B-T
AND
IC4306
M54544ALAF
MOTOR DRIVE
IC4307
M54544ALAF
MOTOR DRIVE
IC4308
M54544ALAF
MOTOR DRIVE
IC4501
5V
IC4003
L78O5CV
5V REG
Q4002
DTA124EKA
MUTE SW
Q4001
DTC124EKA
MUTE SW
D4001
DAN202K
OR
Q4003
2SA1162
MUTING
D4002
DAN202K
DROP
D4007
DAN202K
DROP
Q4005
2SA1162
MUTING
D4010
DAN202K
OR
Q4006
2SA3326N
MUTING
Q4008
2SC3326N
MUTING
Q4007
2SC2712
SW
Q4009
2SA1162
INV
IC4006
TDA2009A
AUDIO AMP
Q4010
2SC3326N
MUTE
Q4011
2SC3326N
MUTE
D4012
RB9.1SB2-T1
CLIP
D4011
RB9.1SB2-T1
CLIP
L4001
BLM21B03
L4002
BLM21B03
CN4003
4P
REG
:S-MICRO
1 SDA
2 SCL
3 9V
4 GND
IC4002
TDA7315D01PROC
AUDIO CONTROL
IC4004
LM358
VAR-OUT
CN4002
30P
TO C BOARD
CN5002
1 N.C
2 N.C
3 SHIFT+
4 SHIFT-
5 ZOOM+
6 ZOOM-
7 FOCUS+
8 FOCUS-
9 GND
10 GND
11 GND
12 GND
13 13.5V
14 13.5V
15 17V
16 17V
17 SUBSV
18 SUBSV
19 5.2V
20 5.2V
21 6.2V
22 6.2V
23 GND
24 GND
25 SP R OUT+
26 SP R OUT-
27 SP L OUT+
28 SP L OUT-
29 N.C
30 CVR-PROT-CB
+12V
+5.2V
+13.5V
+9V
SUB+5V
AUDIO L OUT
AUDIO R OUT
AUDIO R
AUDIO L
GND
TP4001
TP4002
TP4005
BC
no mark:Video
(AUDIO CONTROL, AUDIO AMP, MOTOR DRIVE)

B-SS1647<09.>-BC

M M



M

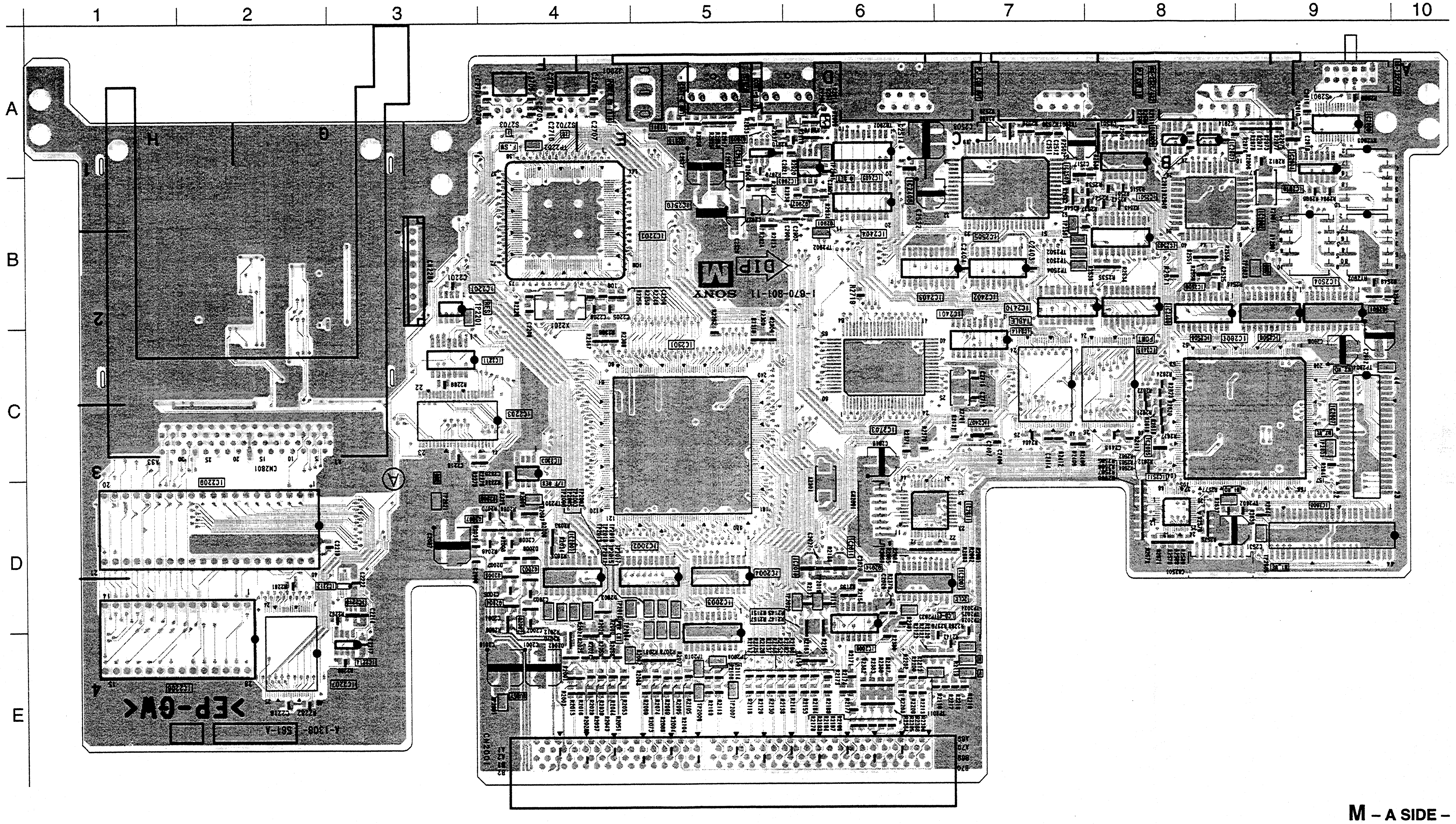
1-670-901-11

M– B SIDE –

SUFFIX ; -11

D2001	*D-6
D2002	E-4
D2003	D-4
D2004	*D-6
D2005	*E-6
D2006	D-4
D2007	D-4
D2008	D-4
D2701	*A-7
D2702	*A-7
D2703	*A-7
D2704	*A-7
D2705	*A-6
D2706	*A-6
D2707	*A-6
D2708	*A-6
D2902	*B-1
D2903	*B-1
D2904	*B-1
D2905	*A-5
D2906	B-5
D2907	*A-5
D2908	*A-5
D2909	*A-6
D2911	*A-6
D2912	*B-5
D2913	*B-5
D2914	*A-4
D2915	*A-4
D2916	*A-4
D2917	*A-4
IC2001	D-4
IC2002	D-5
IC2003	E-5
IC2004	D-5
IC2005	*E-4
IC2006	D-6
IC2007	D-6
IC2008	*D-4
IC2010	D-6
IC2011	D-6
IC2012	*C-4
IC2201	B-3
IC2202	B-4
IC2203	C-3
IC2206	E-1
IC2207	E-2
IC2209	D-2
IC2211	C-3
IC2212	D-2
IC2213	D-3
IC2214	E-3
IC2301	C-5
IC2303	C-4
IC2304	*C-5
IC2401	C-7
IC2402	B-7
IC2403	B-6
IC2404	B-6
IC2405	A-6
IC2406	B-6
IC2407	C-7
IC2408	B-8
IC2409	B-8
IC2410	B-7
IC2411	*C-3
IC2412	*C-3
IC2413	C-8
IC2414	C-7
IC2501	B-8
IC2503	B-8
IC2504	B-9
IC2505	B-7
IC2506	B-9
IC2507	A-7
IC2508	B-8
IC2509	B-8
IC2510	B-5
IC2511	D-8
IC2601	B-6
IC2603	*C-2
IC2604	*C-2
IC2605	C-8
IC2607	C-9
IC2608	D-6
IC2611	D-6
IC2703	C-6
IC2901	*B-2
IC2902	B-9
IC2903	A-6
IC2904	A-9
IC2905	*B-5
IC2906	A-8
IC2907	A-8
IC2909	A-9
IC2910	B-9
IC2911	A-5
Q2001	*E-6
Q2002	D-4
Q2003	D-4
Q2004	D-4
Q2005	D-4
Q2006	D-4
Q2007	D-4
Q2008	*D-5
Q2009	*D-5
Q2010	*D-5
Q2011	*D-4
Q2012	*E-5
Q2013	*D-4
Q2014	D-6
Q2201	*B-6
Q2202	*B-6
Q2501	B-9
Q2901	B-6
Q2902	B-6
Q2903	A-5
Q2904	*A-5
Q2905	*A-5
Q2906	*A-5
Q2907	*A-5
Q2908	*A-5
Q2909	*A-5
Q2910	A-5
Q2911	A-5
Q2912	*B-1
Q2913	*B-1
Q2914	*B-1
Q2915	*A-1
TP2001	E-4
TP2002	D-4
TP2003	D-4
TP2004	E-4
TP2005	D-4
TP2006	D-4
TP2007	E-5
TP2008	E-5
TP2009	E-5
TP2010	E-5
TP2011	E-6
TP2012	E-5
TP2013	D-5
TP2014	D-4
TP2015	E-5
TP2016	D-5
TP2017	E-5
TP2018	D-5
TP2019	D-6
TP2020	D-6
TP2021	D-3
TP2022	B-9
TP2023	D-7
TP2024	E-7
TP2025	E-7
TP2026	E-7
TP2201	B-3
TP2202	A-4
TP2301	D-4
TP2501	B-7
TP2502	B-7
TP2503	B-7
TP2504	B-7
TP2602	D-9
TP2603	C-9
TP2604	C-9
TP2605	D-9
TP2901	A-6
TP2902	B-6

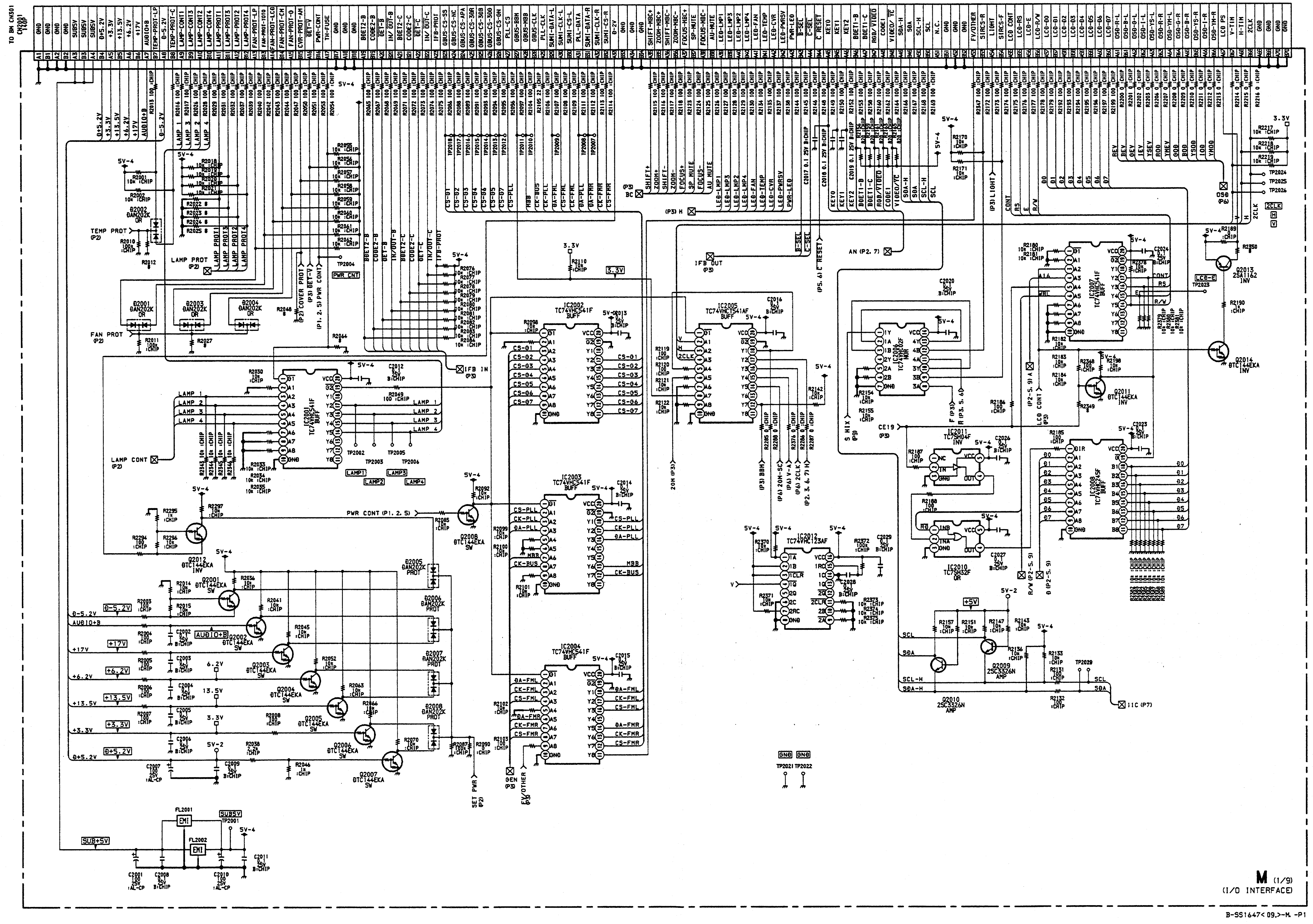
*:B Side mount


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
SONY
M
DIP
1-670-801-11
>EP-6W<
CN2801
IC2209
IC2203
IC2301
IC2003
IC2002
IC2004
IC2402
IC2401
IC2405
IC2505
IC2504
IC2506
IC2006
IC2703

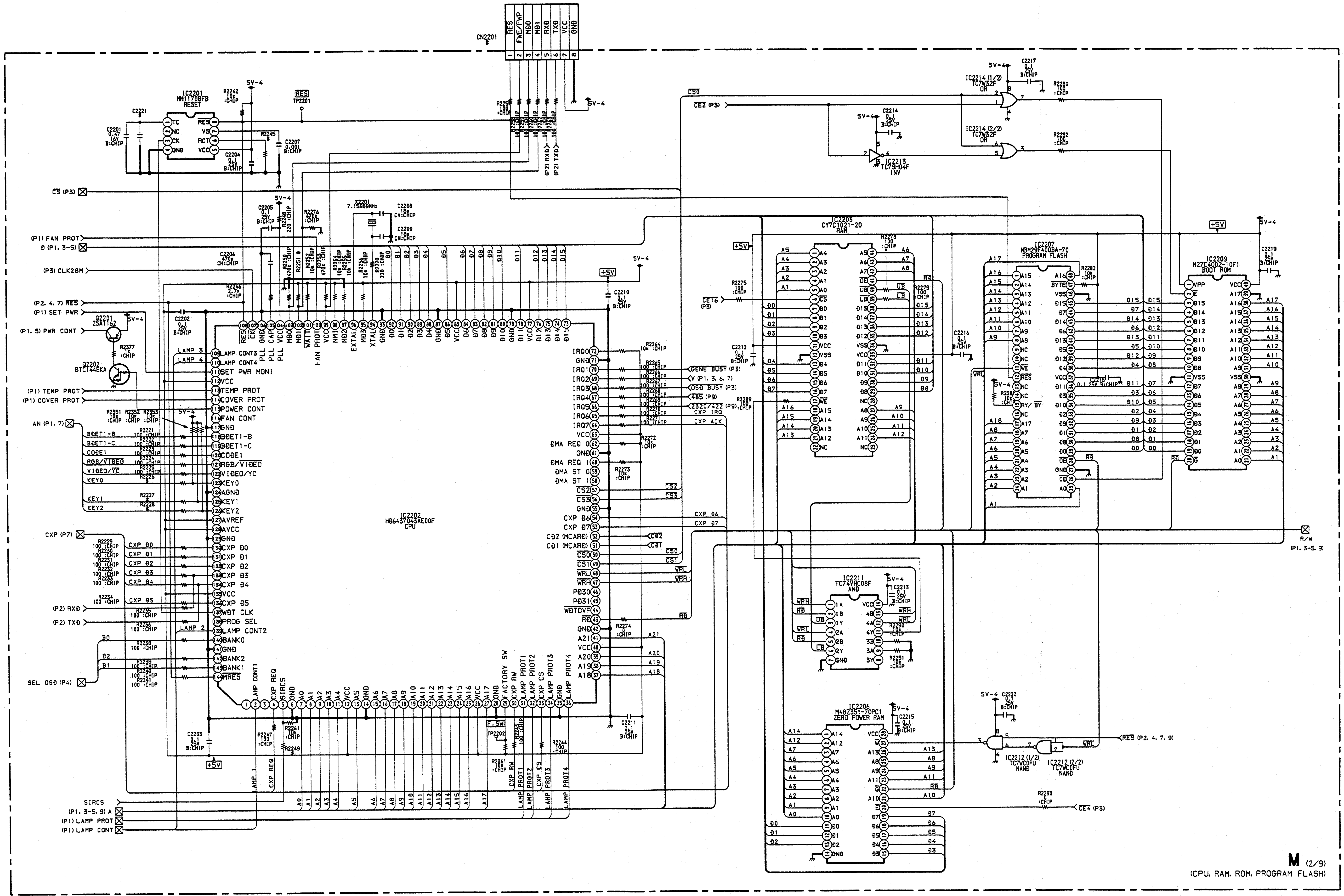
M – A SIDE –

SUFFIX ; -11

- Refer to page 9-48, 9-49 for Printed Wiring Board
- Refer to page 9-59 for IC Block Diagrams


TO BM CN3301
CN2001 100P
IC2001 TC74VHC541F BUFF
IC2002 TC74VHC541F BUFF
IC2003 TC74VHC541F BUFF
IC2004 TC74VHC541F BUFF
IC2005 TC74VHC541AF BUFF
IC2006 TC74VHC32F NOR
IC2007 TC74VHC541F BUFF
IC2008 TC74VHC245F BUFF
IC2010 TC7SH32F OR
IC2011 TC7SH04F INV
IC2012 TC74VHC123AF
Q2001 BAN202K OR
Q2002 BAN202K OR
Q2003 BAN202K OR
Q2004 BAN202K OR
Q2005 BAN202K PROT
Q2006 BAN202K PROT
Q2007 BAN202K PROT
Q2008 BAN202K PROT
Q2001 BTC144EKA SW
Q2002 BTC144EKA SW
Q2003 BTC144EKA SW
Q2004 BTC144EKA SW
Q2005 BTC144EKA SW
Q2006 BTC144EKA SW
Q2007 BTC144EKA SW
Q2008 BTC144EKA SW
Q2009 2SC3326N AMP
Q2010 2SC3326N AMP
Q2011 BTC144EKA INV
Q2012 BTC144EKA INV
Q2013 2SA1162 INV
Q2014 BTC144EKA INV
FL2001 EMI
FL2002 EMI
TEMP PROT (P2)
LAMP PROT (P2)
FAN PROT (P2)
LAMP CONT (P2)
PWR CONT (P1, 2, 5)
SET PWR (P2)
IFB IN (P3)
IFB OUT (P3)
GEN (P3)
AN (P2, 7)
CE19 (P3)
S MIX (P3)
IIC (P7)
SUB+5V
SUB5V
TP2021 TP2022
M (1/9)
(I/O INTERFACE)
B-SS1647<09,>-M, -P1

- Refer to page 9-48, 9-49 for Printed Wiring Board
- Refer to page 9-59 for IC Block Diagrams


CN2201
RES
FWE/FWP
MD0
MD1
RXD
TXD
VCC
GND
IC2201 MM1170BFB RESET
IC2202 HD6437043AE00F CPU
IC2203 CY7C1021-20 RAM
IC2207 MBM29F400BA-70 PROGRAM FLASH
IC2209 M27C4002-10F1 BOOT ROM
IC2211 TC74VHC08F AND
IC2206 M48Z35Y-70PC1 ZERO POWER RAM
IC2213 TC7SH04F INV
IC2214 (1/2) TC7W32F OR
IC2214 (2/2) TC7W32F OR
IC2212 (1/2) TC7WC0FU NAND
IC2212 (2/2) TC7WC0FU NAND
X2201 7.15909MHz
Q2201 2SA1162
Q2202 DTC144EKA
TP2201
TP2202
5V-4
+5V
CS (P3)
CE2 (P3)
CE6 (P3)
CE4 (P3)
(P1) FAN PROT
D (P1, 3-5)
(P3) CLK28M
(P2, 4, 7) RES
(P1) SET PWR
(P1, 5) PWR CONT
(P1) TEMP PROT
(P1) COVER PROT
AN (P1, 7)
CXP (P7)
(P2) RXD
(P2) TXD
SEL OSD (P4)
SIRCS
(P1, 3-5, 9) A
(P1) LAMP PROT
(P1) LAMP CONT
R/W (P1, 3-5, 9)
RES (P2, 4, 7, 9)
GENE BUSY (P3)
V (P1, 3, 6, 7)
OSD BUSY (P3)
485 (P9)
232C/422 (P9)
CXP IRQ
CXP ACK

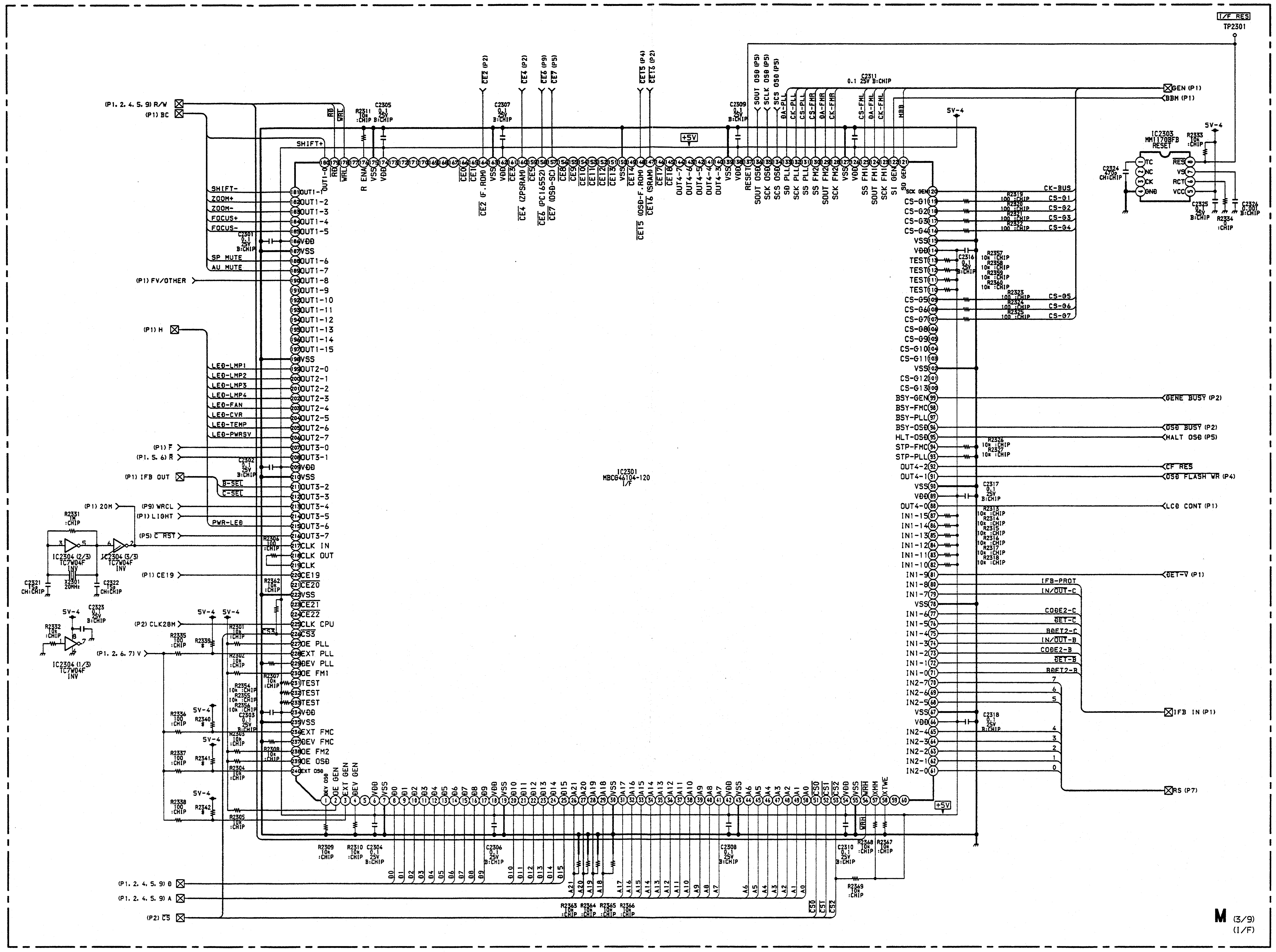
M (2/9)
(CPU, RAM, ROM, PROGRAM FLASH)

B-SS1647< 09.>-M. -P2

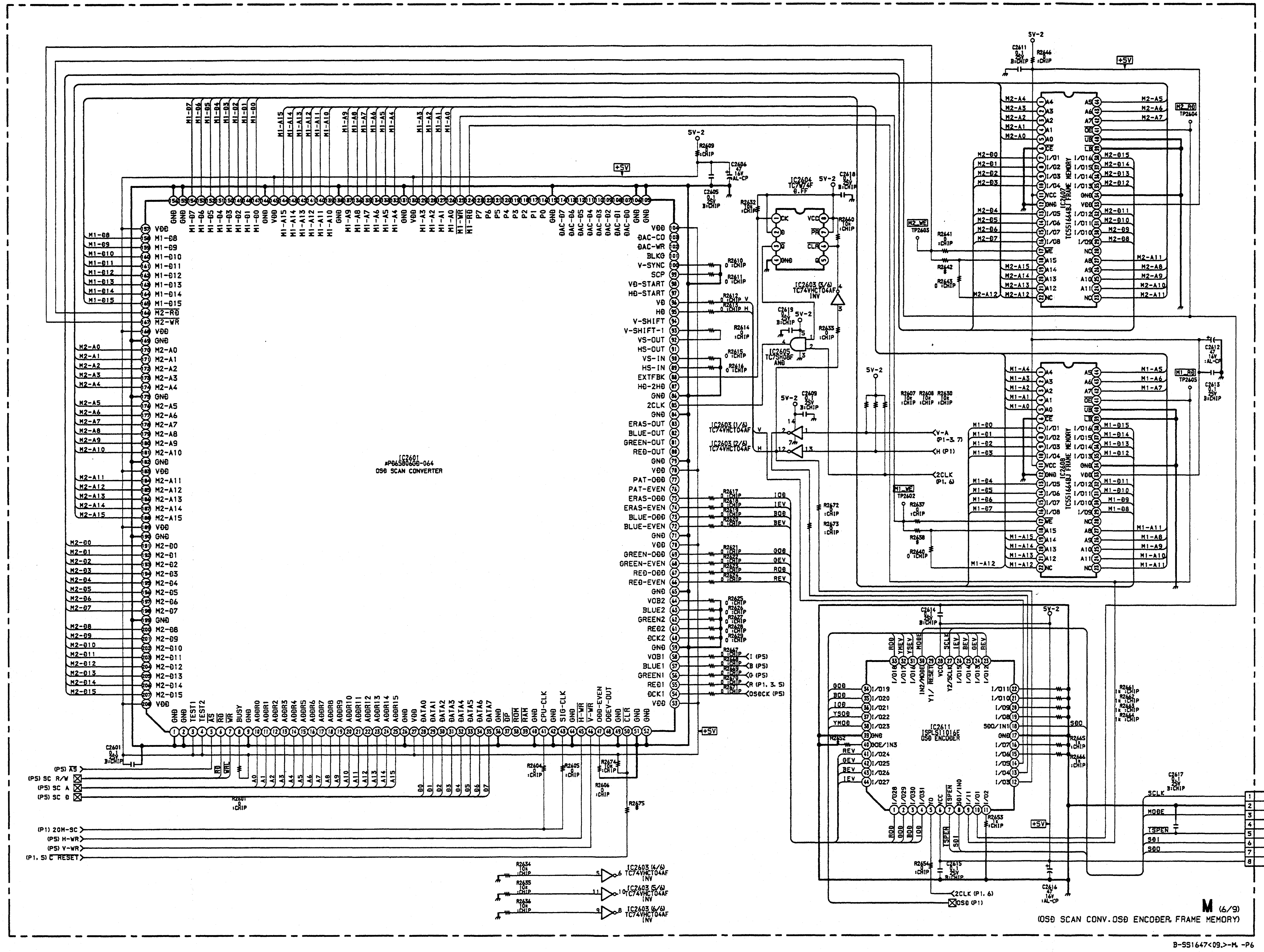
A | B | C | D | E | F | G | H

1 2 3 4 5

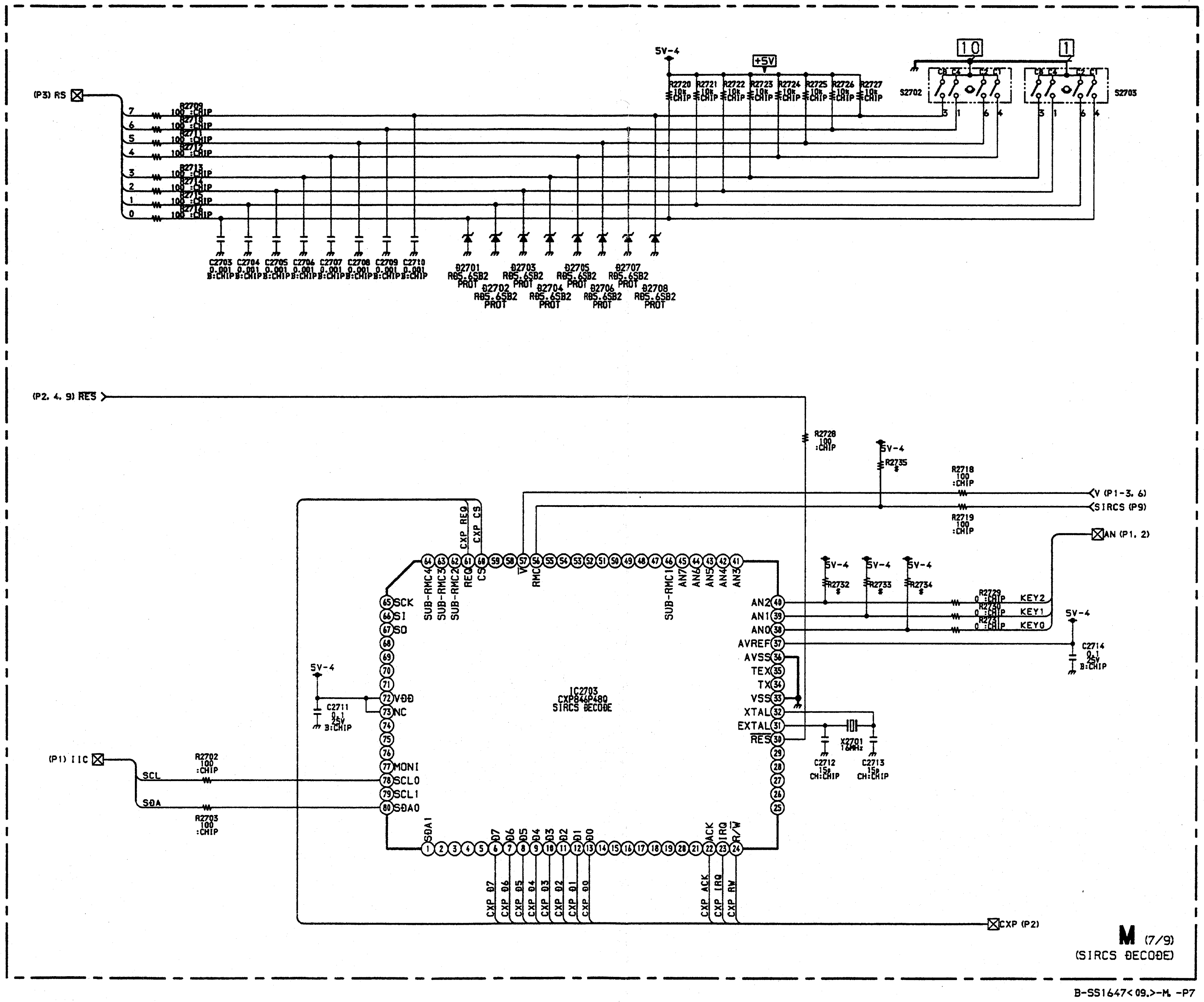
- Refer to page 9-48, 9-49 for Printed Wiring Board
- Refer to page 9-59 for IC Block Diagrams


1
2
3
4
5
I/F RES
TP2301
(P1, 2, 4, 5, 9) R/W
(P1) BC
(P1) FV/OTHER
(P1) H
(P1) F
(P1, 5, 6) R
(P1) IFB OUT
(P1) 20M
(P9) WRCL
(P1) LIGHT
(P5) C RST
(P1) CE19
(P2) CLK28M
(P1, 2, 6, 7) V
(P1, 2, 4, 5, 9) D
(P1, 2, 4, 5, 9) A
(P2) CS
GEN (P1)
BBM (P1)
GENE BUSY (P2)
OSD BUSY (P2)
HALT OSD (P5)
CF RES
OSD FLASH WR (P4)
LCD CONT (P1)
DET-V (P1)
IFB IN (P1)
RS (P7)
IC2301
MBCG46104-120
I/F
IC2303
MM1170BFB
RESET
IC2304 (1/3)
TC7W04F
INV
IC2304 (2/3)
TC7W04F
INV
IC2304 (3/3)
TC7W04F
INV
X2301
20MHz
SHIFT-
ZOOM+
ZOOM-
FOCUS+
FOCUS-
SP MUTE
AU MUTE
LED-LMP1
LED-LMP2
LED-LMP3
LED-LMP4
LED-FAN
LED-CVR
LED-TEMP
LED-PWRSV
B-SEL
C-SEL
PWR-LED
SHIFT+
CE2 (P2)
CE4 (P2)
CE6 (P9)
CE7 (P5)
CET5 (P4)
CET6 (P2)
SOUT OSD (P5)
SCLK OSD (P5)
SCS OSD (P5)
CK-BUS
CS-G1
CS-G2
CS-G3
CS-G4
CS-G5
CS-G6
CS-G7
IFB-PROT
IN/OUT-C
CODE2-C
DET-C
BDET2-C
IN/OUT-B
CODE2-B
DET-B
BDET2-B
5V-4
+5V
M (3/9)
(I/F)

- Refer to page 9-48, 9-49 for Printed Wiring Board
- Refer to page 9-59 for IC Block Diagrams


IC2601
MB86580608-064
OSD SCAN CONVERTER
IC2607
TC551664BJ FRAME MEMORY
IC2608
TC551664BJ FRAME MEMORY
IC2611
ISPLSI1016E
OSD ENCODER
IC2604
TC7W74F
D.FF
IC2605
TC7SH08F
AND
IC2603 (1/6) TC74VHCT04AF
IC2603 (2/6) TC74VHCT04AF
IC2603 (3/6) TC74VHCT04AF INV
IC2603 (4/6) TC74VHCT04AF INV
IC2603 (5/6) TC74VHCT04AF INV
IC2603 (6/6) TC74VHCT04AF INV
CN2601
8P
WHT
:SMD
1 SCLK
2 GND
3 MODE
4 PLUG
5 ISPEN
6 SDI
7 SDO
8 VCC
5V-2
+5V
(PS) AS
(PS) SC R/W
(PS) SC A
(PS) SC B
(P1) 20H-SC
(PS) H-WR
(PS) V-WR
(P1, 5) C RESET
V-A (P1-3, 7)
H (P1)
2CLK (P1, 6)
2CLK (P1, 6)
OSD (P1)
OSDCK (P5)
M2 WE TP2603
M1 WE TP2602
M2 RD TP2604
M1 RD TP2605
M (6/9)
(OSD SCAN CONV. OSD ENCODER, FRAME MEMORY)
B-SS1647<09.>-M. -P6

- Refer to page 9-48, 9-49 for Printed Wiring Board
- Refer to page 9-59 for IC Block Diagrams


(P3) RS
R2709 – R2716 100 :CHIP
C2703 – C2710 0.001 B:CHIP
D2701 – D2708 RB5.6SB2 PROT
5V-4
+5V
R2720 – R2727 10k :CHIP
S2702
S2703
10
1
(P2, 4, 9) RES
R2728 100 :CHIP
R2735
R2718 100 :CHIP
R2719 100 :CHIP
V (P1-3, 6)
SIRCS (P9)
AN (P1, 2)
R2732
R2733
R2734
R2729 0 :CHIP
R2730 0 :CHIP
R2731 0 :CHIP
KEY2
KEY1
KEY0
C2714 0.1 25V B:CHIP
IC2703 CXP84P480 SIRCS DECODE
C2711 0.1 25V B:CHIP
X2701 16MHz
C2712 15p CH:CHIP
C2713 15p CH:CHIP
(P1) IIC
SCL
SDA
R2702 100 :CHIP
R2703 100 :CHIP
SCK SI SO VDD NC MONI SCL0 SCL1 SDA0 SDA1
SUB-RMC4 SUB-RMC3 SUB-RMC2 REQ CS RMC SUB-RMC1 AN7 AN6 AN5 AN4 AN3
AN2 AN1 AN0 AVREF AVSS TEX TX VSS XTAL EXTAL RES
D7 D6 D5 D4 D3 D2 D1 D0 ACK IRQ R/W
CXP REQ CXP CS
CXP D7 CXP D6 CXP D5 CXP D4 CXP D3 CXP D2 CXP D1 CXP D0 CXP ACK CXP IRQ CXP RW
CXP (P2)
M (7/9) (SIRCS DECODE)
B-SS1647<09.>-M. -P7

M (8/9)

- Refer to page 9-48, 9-49 for Printed Wiring Board
- Refer to page 9-59 for IC Block Diagrams

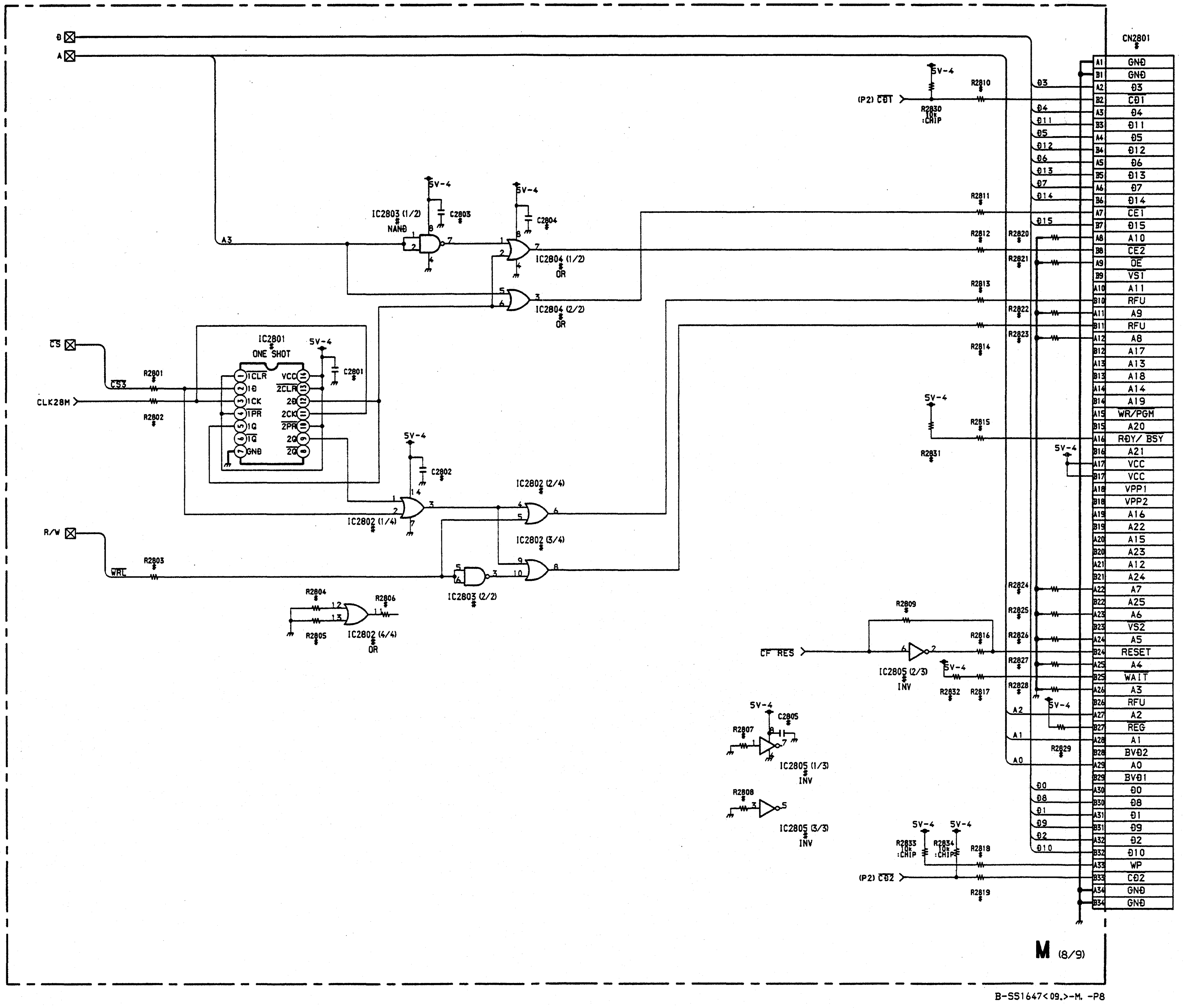
1

2

3

4

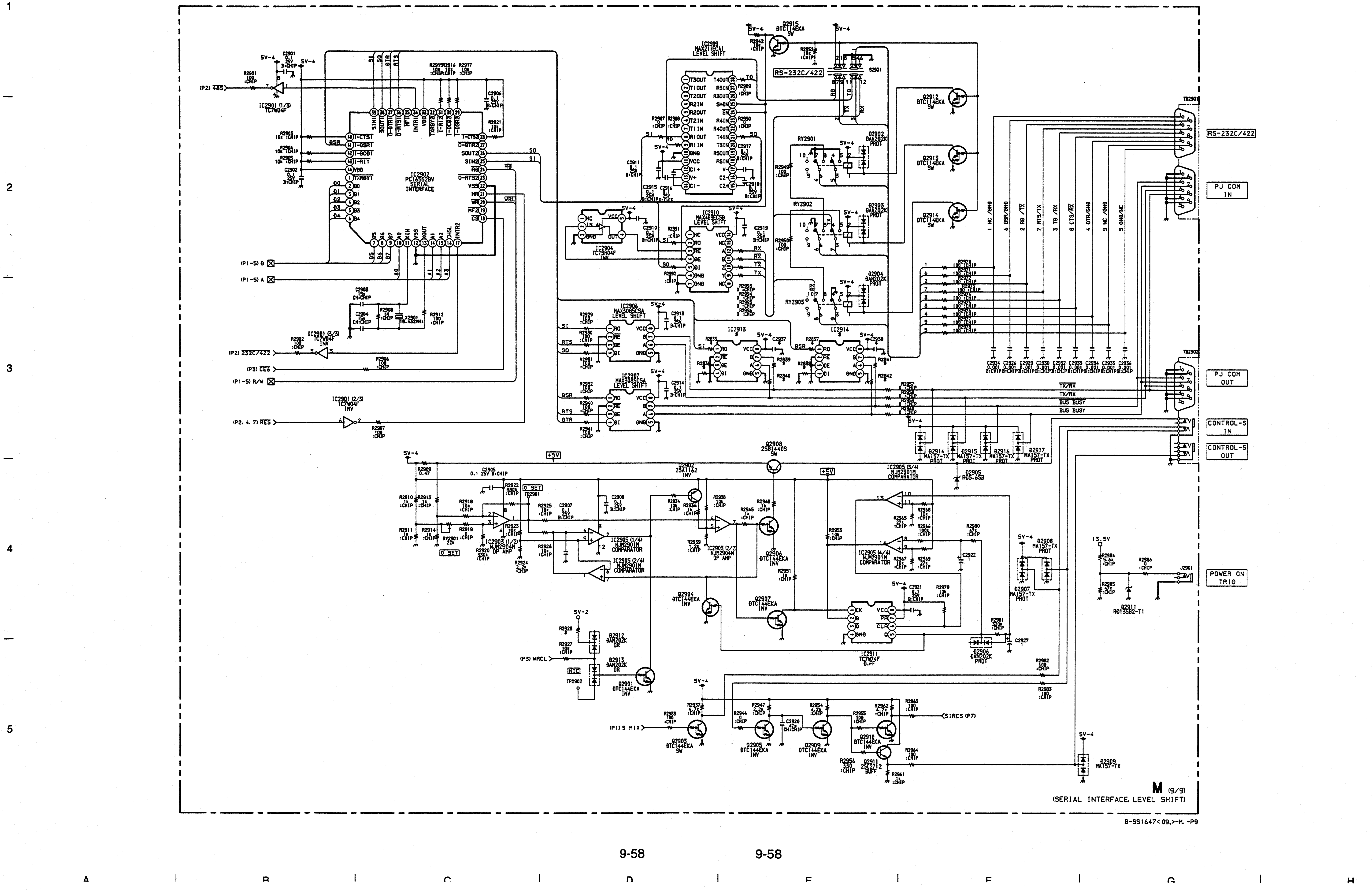
5


θ
A
A3
IC2803 (1/2) NAND
5V-4
C2803
C2804
IC2804 (1/2) OR
IC2804 (2/2) OR
CS
CS3
CLK28M
R2801
R2802
IC2801 ONE SHOT
1CLR
1Q
1CK
1PR
1Q
1Q
GND
VCC
2CLR
2Q
2CK
2PR
2Q
2Q
C2801
5V-4
C2802
IC2802 (1/4)
IC2802 (2/4)
IC2802 (3/4)
R/W
WRL
R2803
IC2803 (2/2)
R2804
R2805
R2806
IC2802 (4/4) OR
(P2) CD1
R2810
R2830 10K :CHIP
R2811
R2812
R2813
R2814
R2815
R2831
R2820
R2821
R2822
R2823
R2824
R2825
R2826
R2827
R2828
R2829
R2809
R2816
R2817
R2832
CF RES
IC2805 (2/3) INV
C2805
R2807
IC2805 (1/3) INV
R2808
IC2805 (3/3) INV
R2833 10K :CHIP
R2834 10K :CHIP
R2818
R2819
(P2) CD2
CN2801
A1 GND
B1 GND
A2 D3
B2 CD1
A3 D4
B3 D11
A4 D5
B4 D12
A5 D6
B5 D13
A6 D7
B6 D14
A7 CE1
B7 D15
A8 A10
B8 CE2
A9 OE
B9 VS1
A10 A11
B10 RFU
A11 A9
B11 RFU
A12 A8
B12 A17
A13 A13
B13 A18
A14 A14
B14 A19
A15 WR/PGM
B15 A20
A16 RDY/ BSY
B16 A21
A17 VCC
B17 VCC
A18 VPP1
B18 VPP2
A19 A16
B19 A22
A20 A15
B20 A23
A21 A12
B21 A24
A22 A7
B22 A25
A23 A6
B23 VS2
A24 A5
B24 RESET
A25 A4
B25 WAIT
A26 A3
B26 RFU
A27 A2
B27 REG
A28 A1
B28 BVD2
A29 A0
B29 BVD1
A30 D0
B30 D8
A31 D1
B31 D9
A32 D2
B32 D10
A33 WP
B33 CD2
A34 GND
B34 GND
M (8/9)
B-SS1647<09.>-M. -P8

9-57

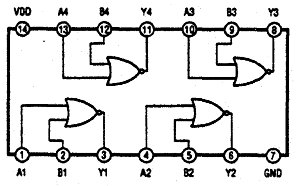
A | B | C | D | E | F | G | H

- Refer to page 9-48, 9-49 for Printed Wiring Board
- Refer to page 9-59 for IC Block Diagrams

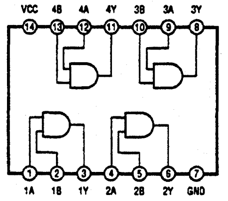

1
2
3
4
5
A
B
C
D
E
F
G
H
IC2901 (1/3) TC7W04F
IC2902 PC16552BV SERIAL INTERFACE
IC2903 (1/2) NJM2904M OP AMP
IC2903 (2/2) NJM2904M OP AMP
IC2904 TC75W04F INV
IC2905 (1/4) NJM2901M COMPARATOR
IC2906 MAX3085CSA LEVEL SHIFT
IC2907 MAX3085CSA LEVEL SHIFT
IC2909 MAX211ECAI LEVEL SHIFT
IC2910 MAX483ECSA LEVEL SHIFT
IC2911 TC7W74F D.FF
IC2913
IC2914
RY2901
RY2902
RY2903
X2901 18.432MHz
Q2908 2SB1440S SW
Q2902 2SA1162 INV
Q2915 DTC114EKA SW
Q2912 DTC114EKA SW
Q2913 DTC114EKA SW
Q2914 DTC114EKA SW
Q2911 2SC2712 BUFF
S2901
RS-232C/422
PJ COM IN
PJ COM OUT
CONTROL-S IN
CONTROL-S OUT
POWER ON TRIG
(P2) 485
(P2) 232C/422
(P3) CE6
(P1-5) R/W
(P2, 4, 7) RES
(P3) WRCL
(P1) S MIX
SIRCS (P7)
TX/RX
BUS BUSY
+5V
5V-4
13.5V
O SET
MIC
M (9/9)
(SERIAL INTERFACE, LEVEL SHIFT)
B-SS1647< 09.>-M. -P9

M Board IC Block Diagrams

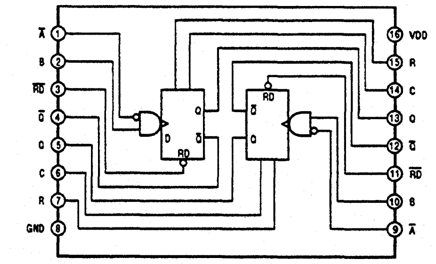
TC74VHC02F (IC2006)


VDD
A4
B4
Y4
A3
B3
Y3
14
13
12
11
10
9
8
1
2
3
4
5
6
7
A1
B1
Y1
A2
B2
Y2
GND

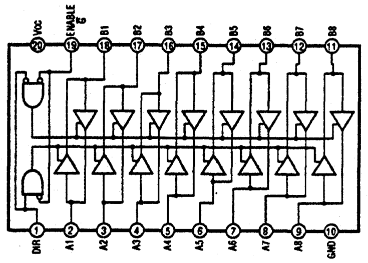
TC74VHC08F (IC2211)


VCC
4B
4A
4Y
3B
3A
3Y
14
13
12
11
10
9
8
1
2
3
4
5
6
7
1A
1B
1Y
2A
2B
2Y
GND

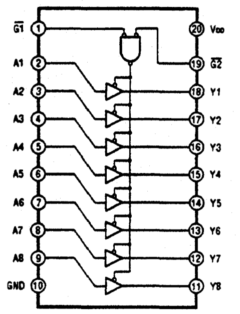
TC74VHC123AF (IC2012, 2501)


$\overline{A}$ 1
B 2
$\overline{RD}$ 3
$\overline{Q}$ 4
Q 5
C 6
R 7
GND 8
16 VDD
15 R
14 C
13 Q
12 $\overline{Q}$
11 $\overline{RD}$
10 B
9 $\overline{A}$
D
Q
$\overline{Q}$
RD
$\overline{Q}$
Q
RD

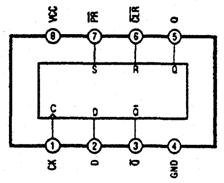
TV74VHC245F (IC2008)


VCC
ENABLE $\overline{G}$
B1
B2
B3
B4
B5
B6
B7
B8
20
19
18
17
16
15
14
13
12
11
1
2
3
4
5
6
7
8
9
10
DIR
A1
A2
A3
A4
A5
A6
A7
A8
GND

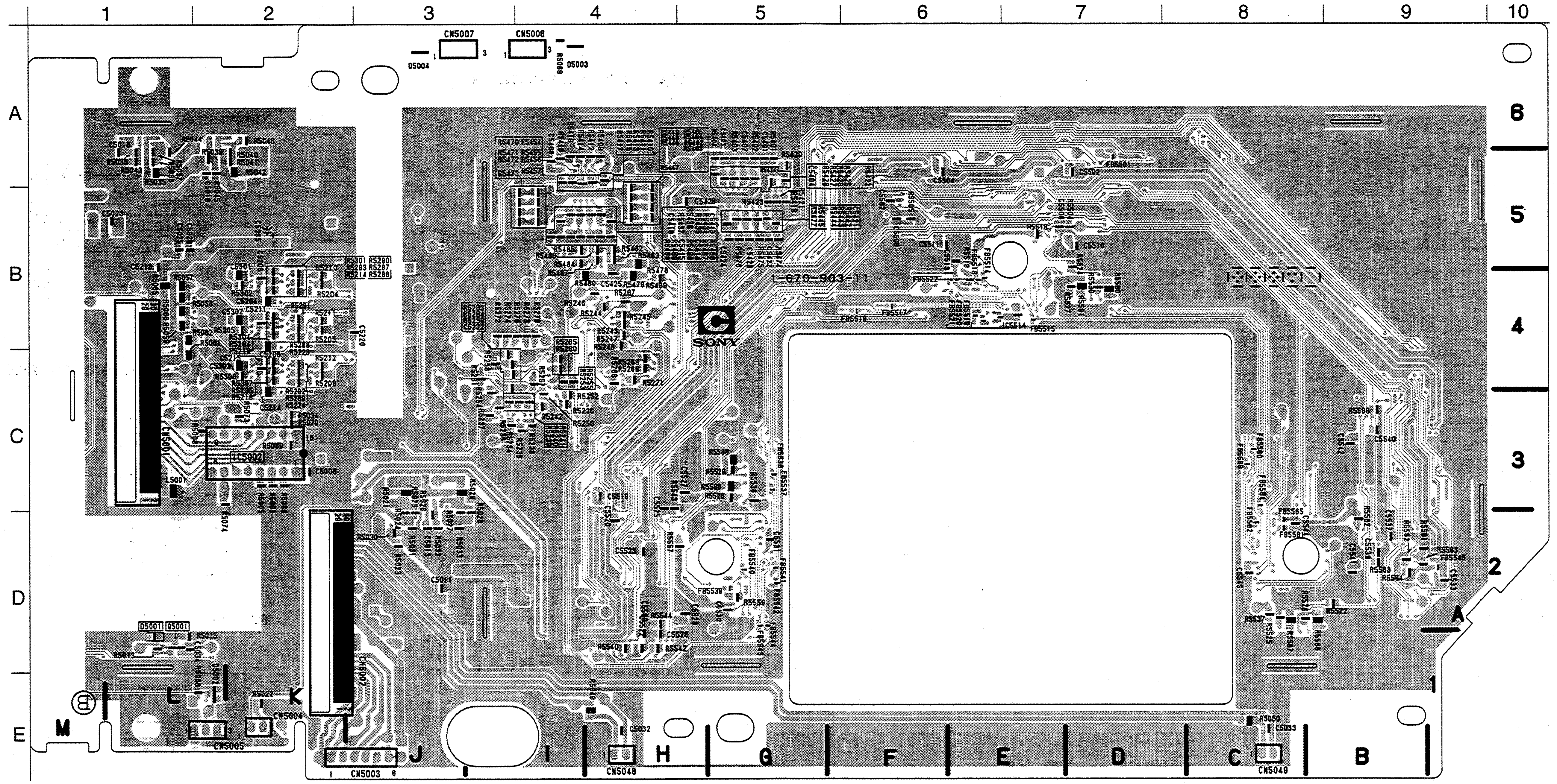
TC74VHC541F
(IC2001 – 2004, 2007, 2503, 2504, 2506, 2508)


$\overline{G1}$ 1
A1 2
A2 3
A3 4
A4 5
A5 6
A6 7
A7 8
A8 9
GND 10
20 Vcc
19 $\overline{G2}$
18 Y1
17 Y2
16 Y3
15 Y4
14 Y5
13 Y6
12 Y7
11 Y8

TC7W74F (IC2604)

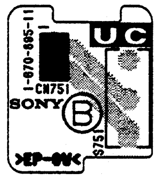

VCC
$\overline{PR}$
$\overline{CLR}$
Q
8
7
6
5
S
R
Q
C
D
$\overline{Q}$
1
2
3
4
CK
D
$\overline{Q}$
GND

C, UC C, UC


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
CN5007
CN5008
D5004
D5003
R5088
D5001
Q5001
CN5005
CN5004
CN5003
CN5048
1-670-903-11
SONY
M
L
K
J
I
H
G
F
E
D
C
B
6
5
4
3
2
1
A

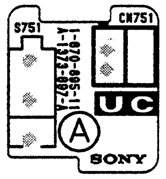
C – B SIDE –

SUFFIX ; -11


UC
1-670-905-11
CN751
SONY
B
S751

UC – B SIDE –

SUFFIX ; -11


S751
CN751
UC
A
SONY

UC – A SIDE –

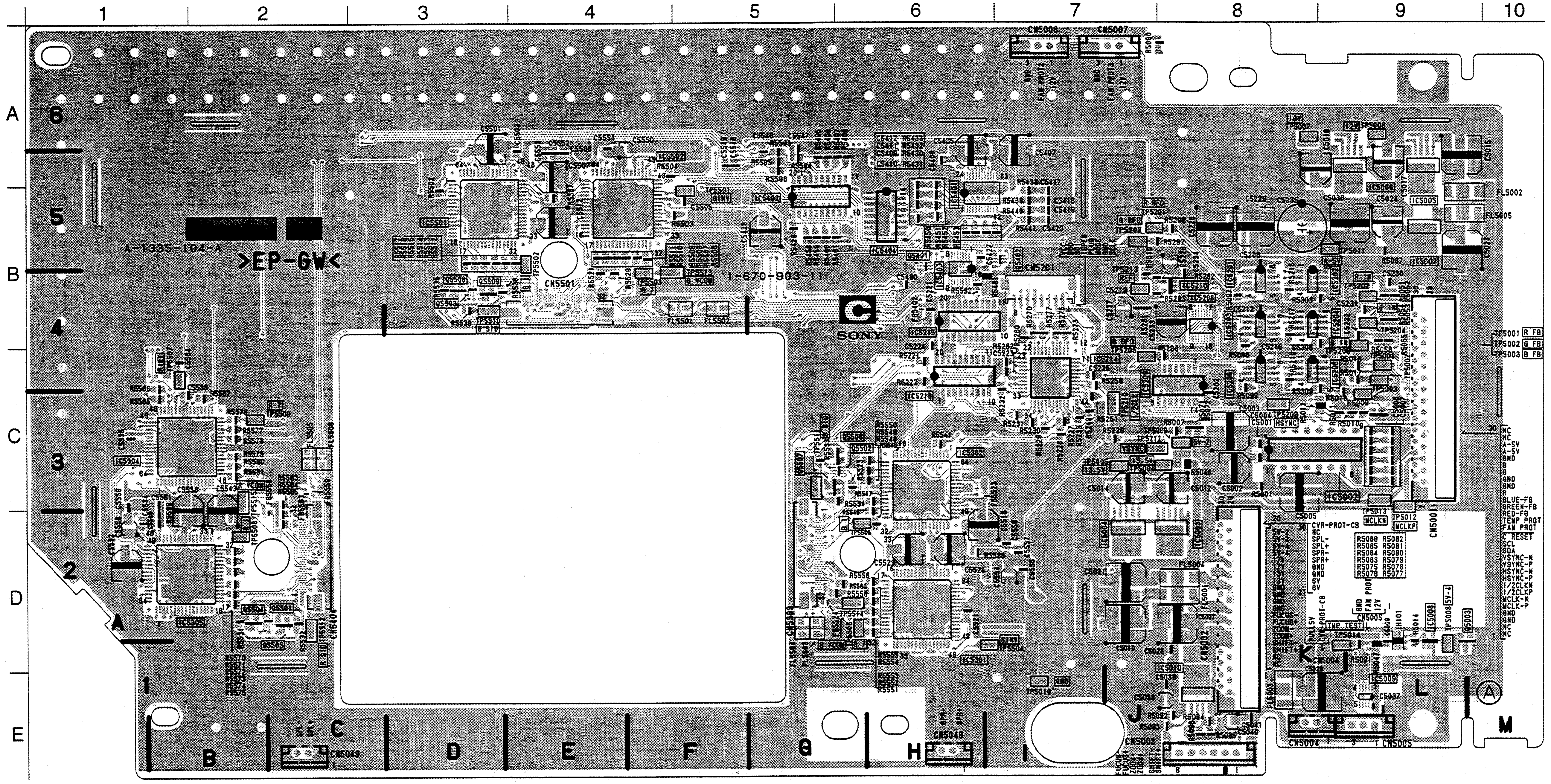
SUFFIX ; -11

C

1-670-903-11

D5001	*D-1
D5002	*E-2
D5003	*A-4
D5004	*A-3
IC5002	*C-2
IC5003	D-8
IC5004	D-7
IC5005	B-9
IC5006	A-9
IC5007	B-9
IC5008	D-9
IC5009	E-9
IC5010	E-8
IC5201	B-8
IC5202	B-8
IC5203	B-8
IC5204	B-8
IC5205	C-8
IC5206	C-8
IC5208	B-8
IC5209	C-8
IC5210	B-8
IC5214	C-7
IC5215	B-6
IC5216	C-6
IC5301	D-6
IC5302	C-6
IC5304	C-1
IC5305	D-1
IC5401	B-6
IC5402	B-5
IC5403	B-6
IC5404	B-6
IC5501	B-3
IC5502	B-5
Q5001	*D-1
Q5003	D-9
Q5401	B-6
Q5402	B-7
Q5501	D-2
Q5502	C-6
Q5503	B-3
Q5504	D-2
Q5505	D-2
Q5506	C-6
Q5507	C-5
Q5508	B-3
Q5509	B-3
TP5001	C-9
TP5002	C-9
TP5003	C-9
TP5004	C-8
TP5005	C-7
TP5006	A-9
TP5007	A-8
TP5008	D-9
TP5009	C-8
TP5010	E-7
TP5011	B-9
TP5012	D-9
TP5013	C-9
TP5014	D-9
TP5201	B-7
TP5202	C-9
TP5203	B-7
TP5204	B-9
TP5205	C-7
TP5206	C-9
TP5209	C-8
TP5210	C-7
TP5212	C-7
TP5213	B-7
TP5501	B-5
TP5502	B-4
TP5503	B-4
TP5504	D-7
TP5505	D-6
TP5506	D-6
TP5507	C-1
TP5508	D-2
TP5509	C-2
TP5510	B-3
TP5511	C-5
TP5512	D-2
TP5513	B-4
TP5514	D-6
TP5515	C-2

*:B Side mount

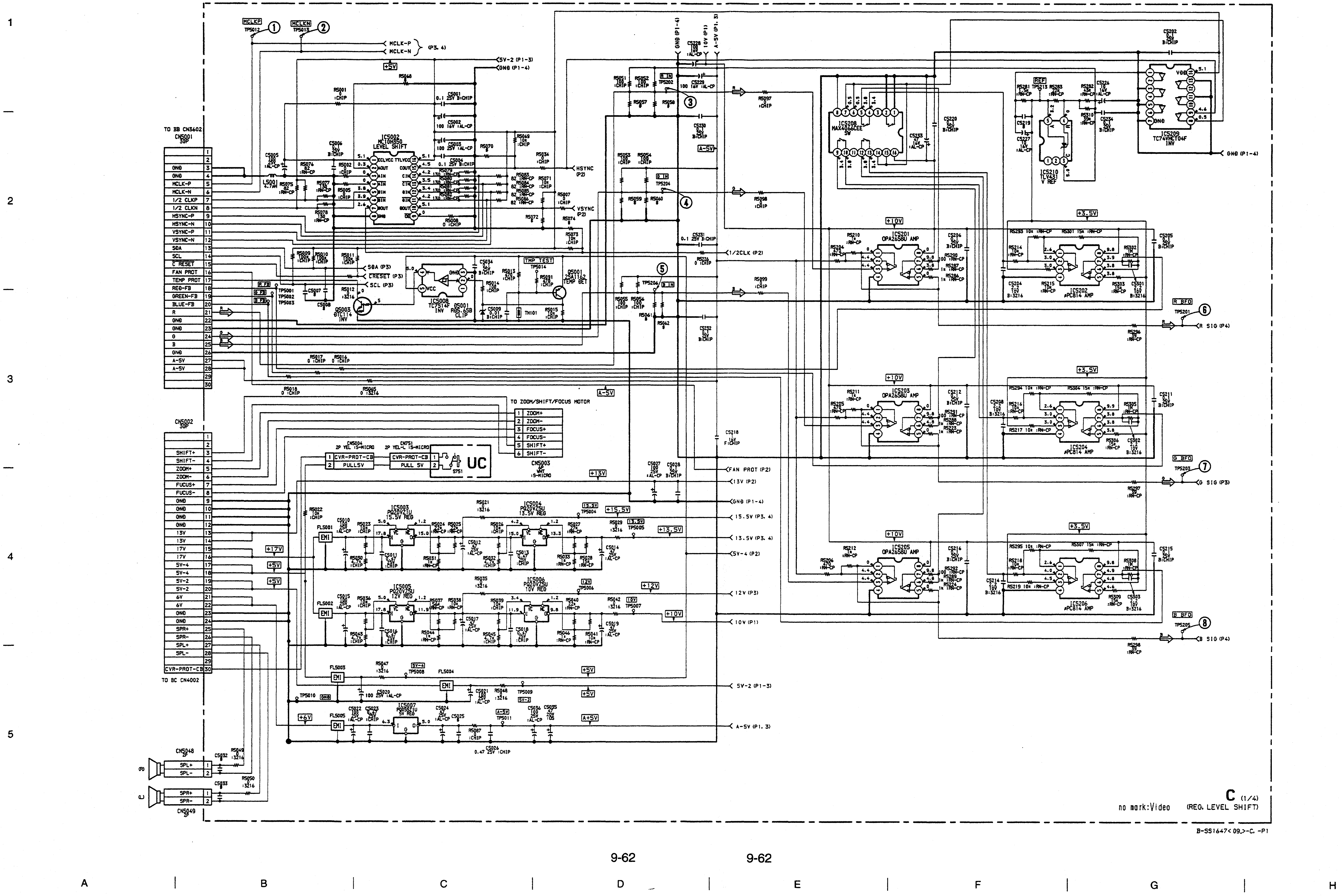

1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
A-1335-104-A
>EP-GW<
1-670-903-11
SONY
CN5501
CN5006
CN5007
CN5201
CN5001
CN5002
CN5003
CN5004
CN5005
CN5046
CN5049
FLS002
FLS005
TPS001 R FB
TPS002 G FB
TPS003 B FB
CVR-PROT-CB
NC
A-5V
GND
BLUE-FB
GREEN-FB
RED-FB
TEMP PROT
FAN PROT
C RESET
SCL
SDA
VSYNC-N
VSYNC-P
HSYNC-N
HSYNC-P
1/2CLKN
1/2CLKP
MCLK-N
MCLK-P
B
C
D
E
F
G
H
I
J
K
L
M

C – A SIDE –

SUFFIX ; -11

C (1/4), UC

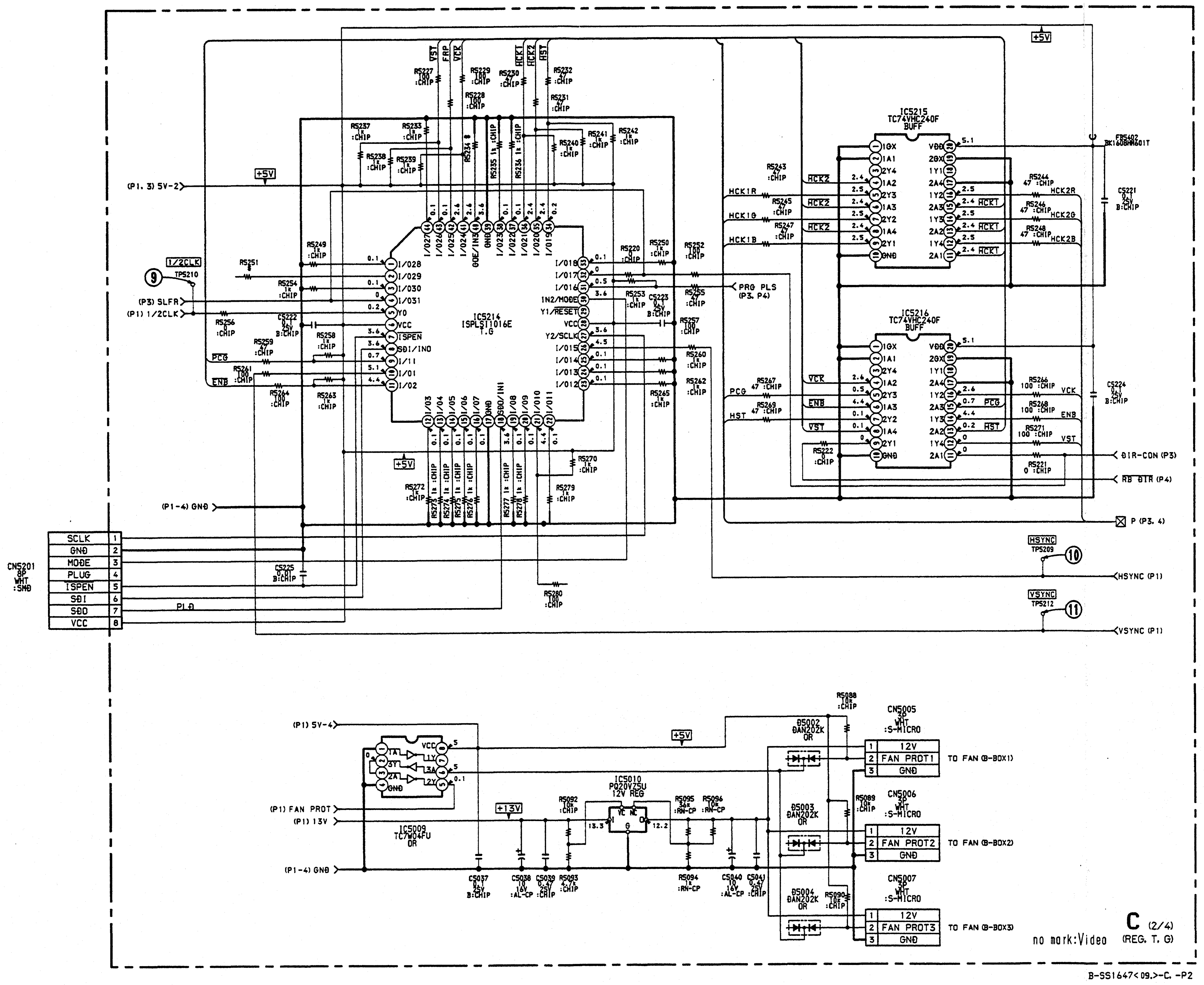
- Refer to page 9-60, 9-61 for Printed Wiring Board
- Refer to page 9-66 for Waveforms
- Refer to page 9-66 for IC Block Diagrams


TO BB CN3402
CN5001 30P
CN5002 30P
TO BC CN4002
IC5002 MC10H350 LEVEL SHIFT
IC5008 TC7S14F INV
Q5001 RD5.6SB CLIP
Q5003 DTC114 INV
Q5001 2SA1162 TEMP DET
TO ZOOM/SHIFT/FOCUS MOTOR
CN5003 8P
CN5004 2P YEL :S-MICRO
CN751 2P YEL :S-MICRO
UC
S751
IC5003 PQ20VZ1U 15.5V REG
IC5004 PQ20VZ5U 13.5V REG
IC5005 PQ20VZ5U 12V REG
IC5006 PQ20VZ5U 10V REG
IC5007 PQ05RZ1U 5V REG
IC5208 MAX4052CEE SW
IC5210 TLV431 V REF
IC5209 TC74VHCT04F INV
IC5201 OPA2658U AMP
IC5202 μPC814 AMP
IC5203 OPA2658U AMP
IC5204 μPC814 AMP
IC5205 OPA2658U AMP
IC5206 μPC814 AMP
CN5048 2P
CN5049 2P
HSYNC (P2)
VSYNC (P2)
1/2CLK (P2)
FAN PROT (P2)
13V (P2)
GND (P1-4)
15.5V (P3, 4)
13.5V (P3, 4)
5V-4 (P2)
12V (P3)
10V (P1)
5V-2 (P1-3)
A-5V (P1, 3)
R SIG (P4)
G SIG (P3)
B SIG (P4)
no mark:Video
C (1/4)
(REG, LEVEL SHIFT)
B-SS1647<09.>-C. -P1

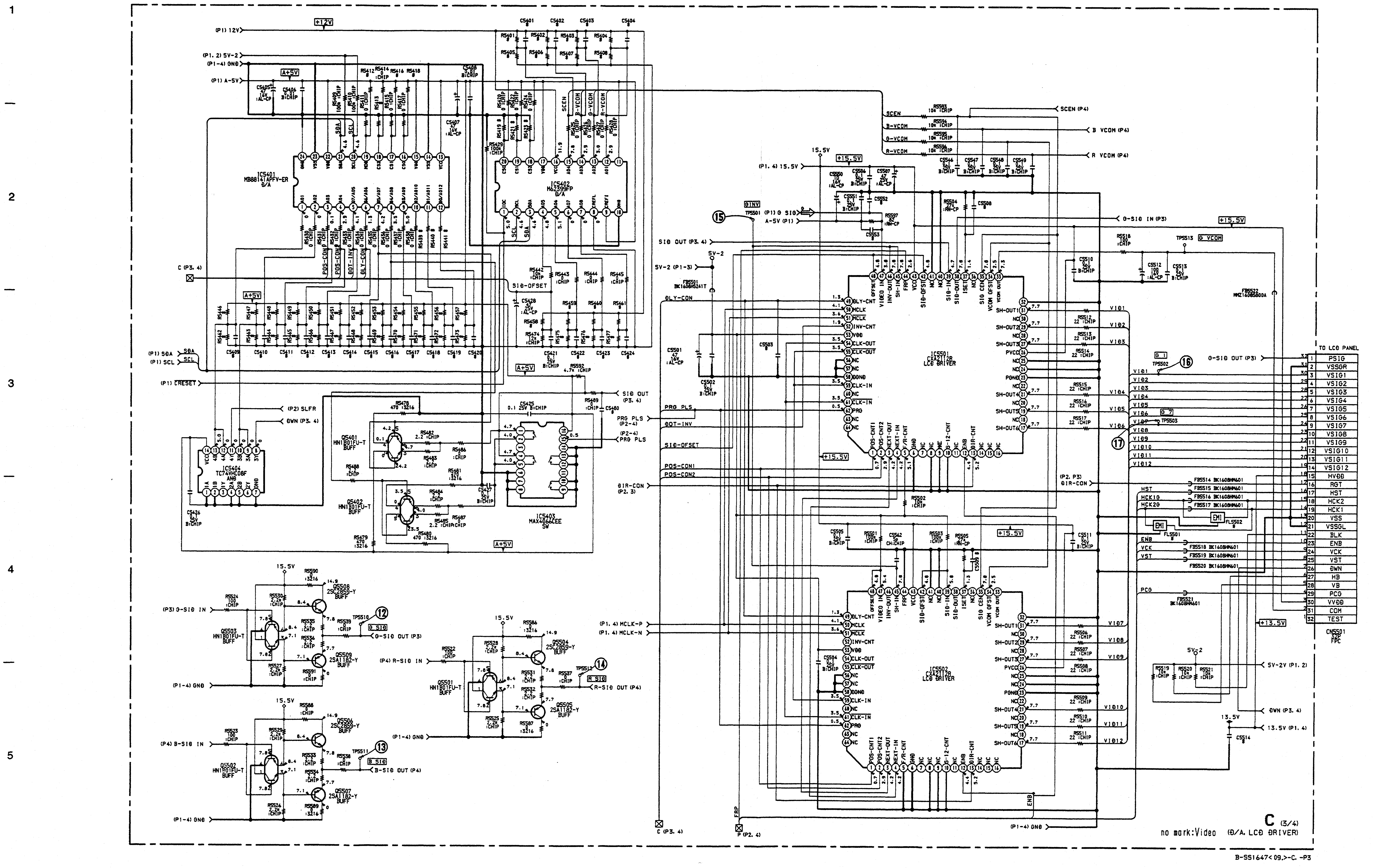
9-62

C (2/4) C (2/4)

- Refer to page 9-60, 9-61 for Printed Wiring Board
- Refer to page 9-66 for Waveforms
- Refer to page 9-66 for IC Block Diagrams


IC5214
ISPLSI1016E
T.G
IC5215
TC74VHC240F
BUFF
IC5216
TC74VHC240F
BUFF
IC5009
TC7W04FU
OR
IC5010
PQ20VZ5U
12V REG
CN5201
8P
WHT
:SMD
SCLK
GND
MODE
PLUG
ISPEN
SDI
SDO
VCC
PLD
(P1, 3) 5V-2
(P3) SLFR
(P1) 1/2CLK
1/2CLK
TP5210
9
(P1-4) GND
PCG
ENB
+5V
HCK1R
HCK1G
HCK1B
HCK2R
HCK2G
HCK2B
PRG PLS
(P3, P4)
PCG
HST
VCK
ENB
VST
BIR-CON (P3)
RB BTR (P4)
P (P3, 4)
HSYNC
TP5209
10
HSYNC (P1)
VSYNC
TP5212
11
VSYNC (P1)
(P1) 5V-4
(P1) FAN PROT
(P1) 13V
(P1-4) GND
+13V
D5002
DAN202K
OR
D5003
DAN202K
OR
D5004
DAN202K
OR
CN5005
3P
WHT
:S-MICRO
CN5006
3P
WHT
:S-MICRO
CN5007
3P
WHT
:S-MICRO
12V
FAN PROT1
GND
TO FAN (B-BOX1)
12V
FAN PROT2
GND
TO FAN (B-BOX2)
12V
FAN PROT3
GND
TO FAN (B-BOX3)
C (2/4)
no mark:Video
(REG. T. G)
B-SS1647<09.>-C. -P2

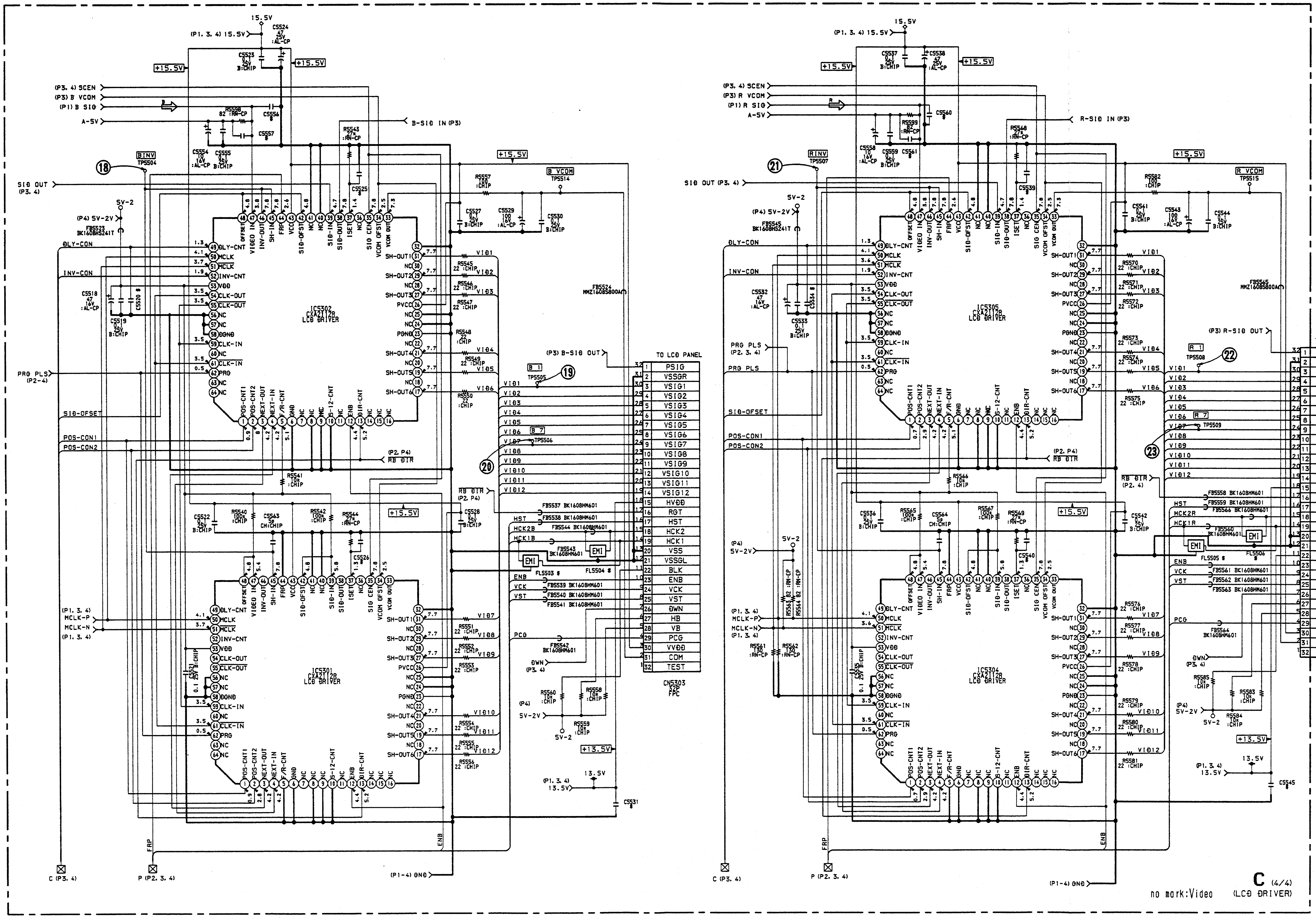
- Refer to page 9-60, 9-61 for Printed Wiring Board
- Refer to page 9-66 for Waveforms
- Refer to page 9-66 for IC Block Diagrams


1
2
3
4
5
(P1) 12V
+12V
(P1, 2) 5V-2
(P1-4) GND
(P1) A-5V
A+5V
IC5401
MB88141APFV-ER
D/A
IC5402
M62399FP
D/A
SCEN
B-VCOM
G-VCOM
R-VCOM
C (P3, 4)
POS-CON
DLY-CON
DOT-INV
SID-OFSET
(P1) SDA
(P1) SCL
(P1) CRESET
(P2) SLFR
DWN (P3, 4)
IC5404
TC74VHC08F
AND
Q5401
HN1B01FU-T
BUFF
Q5402
HN1B01FU-T
BUFF
IC5403
MAX4066CEE
SW
SID OUT (P3, 4)
PRG PLS (P2-4)
DIR-CON (P2, 3)
(P3) G-SID IN
Q5503
HN1B01FU-T
BUFF
Q5508
2SC2859-Y
BUFF
Q5509
2SA1182-Y
BUFF
G SID
G-SID OUT (P3)
(P4) B-SID IN
Q5502
HN1B01FU-T
BUFF
Q5506
2SC2859-Y
BUFF
Q5507
2SA1182-Y
BUFF
B SID
B-SID OUT (P4)
(P4) R-SID IN
Q5501
HN1B01FU-T
BUFF
Q5504
2SC2859-Y
BUFF
Q5505
2SA1182-Y
BUFF
R SID
R-SID OUT (P4)
(P1, 4) MCLK-P
(P1, 4) MCLK-N
(P1-4) GND
15.5V
(P1, 4) 15.5V
+15.5V
(P1) G SID
A-5V (P1)
SCEN (P4)
B VCOM (P4)
R VCOM (P4)
G-SID IN (P3)
G VCOM
G-SID OUT (P3)
IC5501
CXA2112R
LCD DRIVER
IC5502
CXA2112R
LCD DRIVER
VID1
VID2
VID3
VID4
VID5
VID6
VID7
VID8
VID9
VID10
VID11
VID12
(P2, P3) DIR-CON
HST
HCK1D
HCK2D
ENB
VCK
VST
PCG
EMI
FL5501
FL5502
+13.5V
5V-2V (P1, 2)
DWN (P3, 4)
13.5V (P1, 4)
C (P3, 4)
P (P2, 4)
TO LCD PANEL
1 PSIG
2 VSSGR
3 VSIG1
4 VSIG2
5 VSIG3
6 VSIG4
7 VSIG5
8 VSIG6
9 VSIG7
10 VSIG8
11 VSIG9
12 VSIG10
13 VSIG11
14 VSIG12
15 HVDD
16 RGT
17 HST
18 HCK2
19 HCK1
20 VSS
21 VSSGL
22 BLK
23 ENB
24 VCK
25 VST
26 DWN
27 HB
28 VB
29 PCG
30 VVDD
31 COM
32 TEST
CN5501
32P
FPC
⑫
⑬
⑭
⑮
⑯
⑰
A
B
C
D
E
F
G
H

C (3/4)
no mark:Video (D/A, LCD DRIVER)

B-SS1647<09.>-C. -P3

- Refer to page 9-60, 9-61 for Printed Wiring Board
- Refer to page 9-66 for Waveforms
- Refer to page 9-66 for IC Block Diagrams

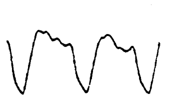
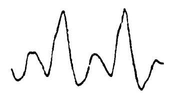
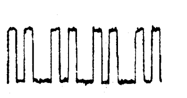
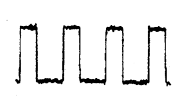
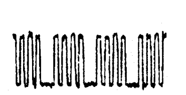
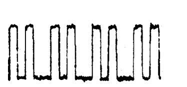
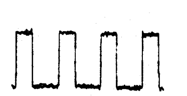
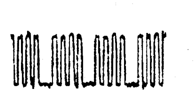
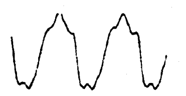
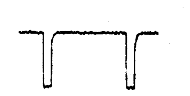
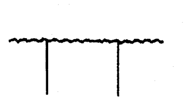
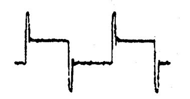
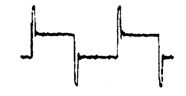
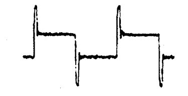
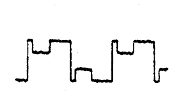
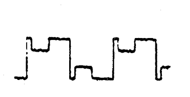
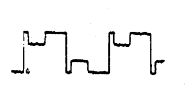
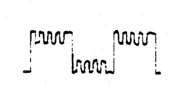
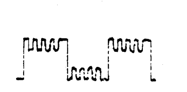
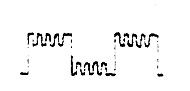
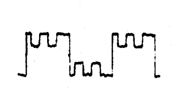
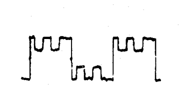
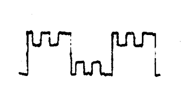

IC5302
CXA2112R
LCD DRIVER
IC5301
CXA2112R
LCD DRIVER
IC5305
CXA2112R
LCD DRIVER
IC5304
CXA2112R
LCD DRIVER
TO LCD PANEL
CN5303
32P
FPC
CN5404
32P
FPC
PSIG
VSSGR
VSIG1
VSIG2
VSIG3
VSIG4
VSIG5
VSIG6
VSIG7
VSIG8
VSIG9
VSIG10
VSIG11
VSIG12
HVDD
RGT
HST
HCK2
HCK1
VSS
VSSGL
BLK
ENB
VCK
VST
DWN
HB
VB
PCG
VVDD
COM
TEST
(P1, 3, 4) 15.5V
+15.5V
+13.5V
13.5V
(P3, 4) SCEN
(P3) B VCOM
(P1) B SID
(P3) R VCOM
(P1) R SID
A-5V
B-SID IN (P3)
R-SID IN (P3)
SID OUT (P3, 4)
(P3) B-SID OUT
(P3) R-SID OUT
(P4) 5V-2V
DLY-CON
INV-CON
PRG PLS (P2-4)
SID-OFSET
POS-CON1
POS-CON2
RB DIR (P2, P4)
(P1, 3, 4) MCLK-P
MCLK-N
B INV TP5504
R INV TP5507
B VCOM TP5514
R VCOM TP5515
B 1 TP5505
B 7 TP5506
R 1 TP5508
R 7 TP5509
⑱
⑲
⑳
㉑
㉒
㉓
EMI
FRP
ENB
C (P3, 4)
P (P2, 3, 4)
(P1-4) GND

C (4/4)
(LCD DRIVER)

no mark:Video

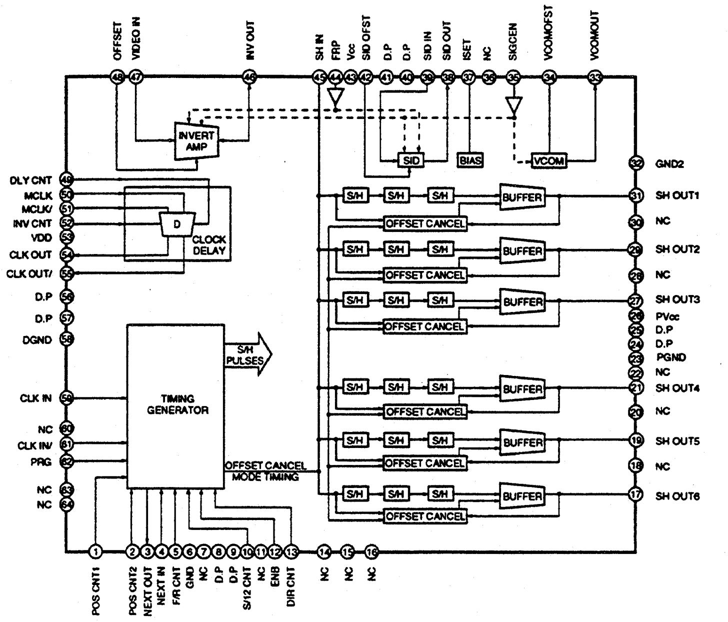
B-SS1647<09.>-C. -P4

C Board Waveforms

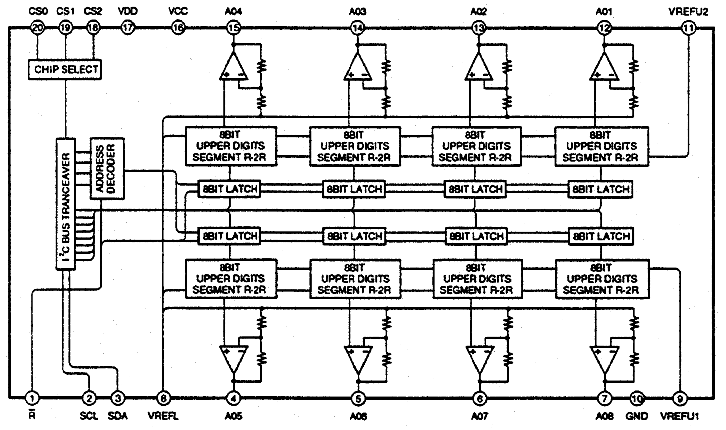
①  0.6Vp-p (H) TP5012 (MCLKP)	②  0.7Vp-p (H) TP5013 (MCLKN)	③  0.5Vp-p (H) TP5202 (R IN)	④  0.5Vp-p (H) TP5204 (G IN)
⑤  0.48Vp-p (H) TP5206 (B IN)	⑥  1Vp-p (H) TP5201 (R BFO)	⑦  1Vp-p (H) TP5203 (G BFO)	⑧  1Vp-p (H) TP5205 (B BFO)
⑨  6.8Vp-p (H) TP5210 (1/2 CLK)	⑩  5Vp-p (V) TP5209 (H SYNC)	⑪  5Vp-p (H) TP5212 (V SYNC)	⑫  7.6Vp-p (H) TP5510 (G SID)
⑬  7.6Vp-p (H) TP5511 (B SID)	⑭  7.6Vp-p (H) TP5512 (R SID)	⑮  10Vp-p (H) TP5501 (G INV)	⑯  10Vp-p (H) TP5502 (G1)
⑰  10Vp-p (H) TP5503 (G7)	⑱  10Vp-p (H) TP5504 (B INV)	⑲  10Vp-p (H) TP5505 (G1)	⑳  10Vp-p (H) TP5506 (G7)
㉑  10Vp-p (H) TP5507 (R INV)	㉒  10Vp-p (H) TP5508 (R1)	㉓  10Vp-p (H) TP5509 (R7)	

C Board IC Block Diagrams

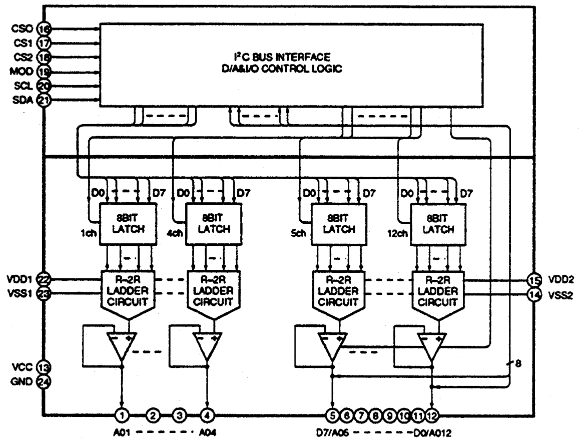
CXA2112R-T6 (IC5501, 5502, 5301, 5302, 5304, 5305)


OFFSET
VIDEO IN
INV OUT
SH IN
FRP
Vcc
SID OFST
D.P
D.P
SID IN
SID OUT
ISET
NC
SIGCEN
VCOMOFST
VCOMOUT
INVERT AMP
SID
BIAS
VCOM
GND2
DLY CNT
MCLK
MCLK/
INV CNT
VDD
CLK OUT
CLK OUT/
D.P
D.P
DGND
D
CLOCK DELAY
S/H
BUFFER
OFFSET CANCEL
SH OUT1
NC
SH OUT2
NC
SH OUT3
PVcc
D.P
D.P
PGND
NC
SH OUT4
NC
SH OUT5
NC
SH OUT6
TIMING GENERATOR
S/H PULSES
OFFSET CANCEL MODE TIMING
CLK IN
NC
CLK IN/
PRG
NC
NC
POS CNT1
POS CNT2
NEXT OUT
NEXT IN
F/R CNT
GND
NC
D.P
D.P
S/12 CNT
NC
ENB
DIR CNT
NC
NC
NC

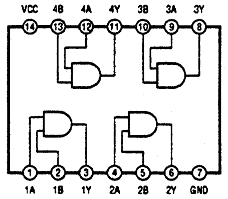
M62399FP-TE2 (IC5402)


CS0
CS1
CS2
VDD
VCC
A04
A03
A02
A01
VREFU2
CHIP SELECT
I²C BUS TRANCEAVER
ADDRESS DECODER
8BIT UPPER DIGITS SEGMENT R-2R
8BIT LATCH
R̄
SCL
SDA
VREFL
A05
A06
A07
A08
GND
VREFU1

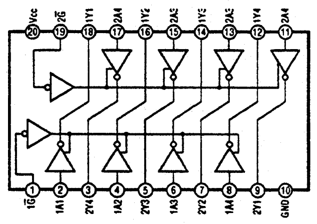
MB8814APFV-ER (IC5401)


CSO
CS1
CS2
MOD
SCL
SDA
I²C BUS INTERFACE
D/A&I/O CONTROL LOGIC
D0
D7
8BIT LATCH
1ch
4ch
5ch
12ch
R-2R LADDER CIRCUIT
VDD1
VSS1
VDD2
VSS2
VCC
GND
8
A01
A04
D7/A05
D0/A012

TC74VHC08F (IC5404)

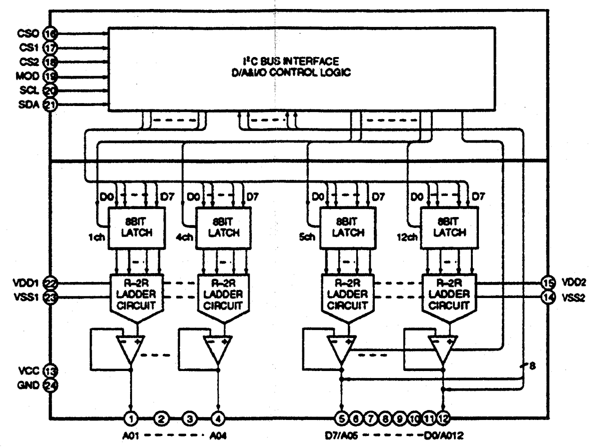

VCC
4B
4A
4Y
3B
3A
3Y
1A
1B
1Y
2A
2B
2Y
GND

TC74VHC240F (IC5215, 5216)

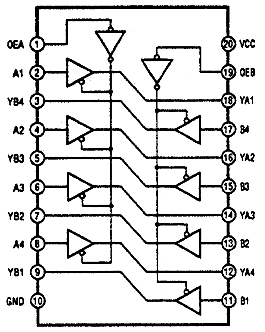

Vcc
2G̅
1Y1
2A4
1Y2
2A3
1Y3
2A2
1Y4
2A1
1G̅
1A1
2Y4
1A2
2Y3
1A3
2Y2
1A4
2Y1
GND

H Board IC Block Diagrams

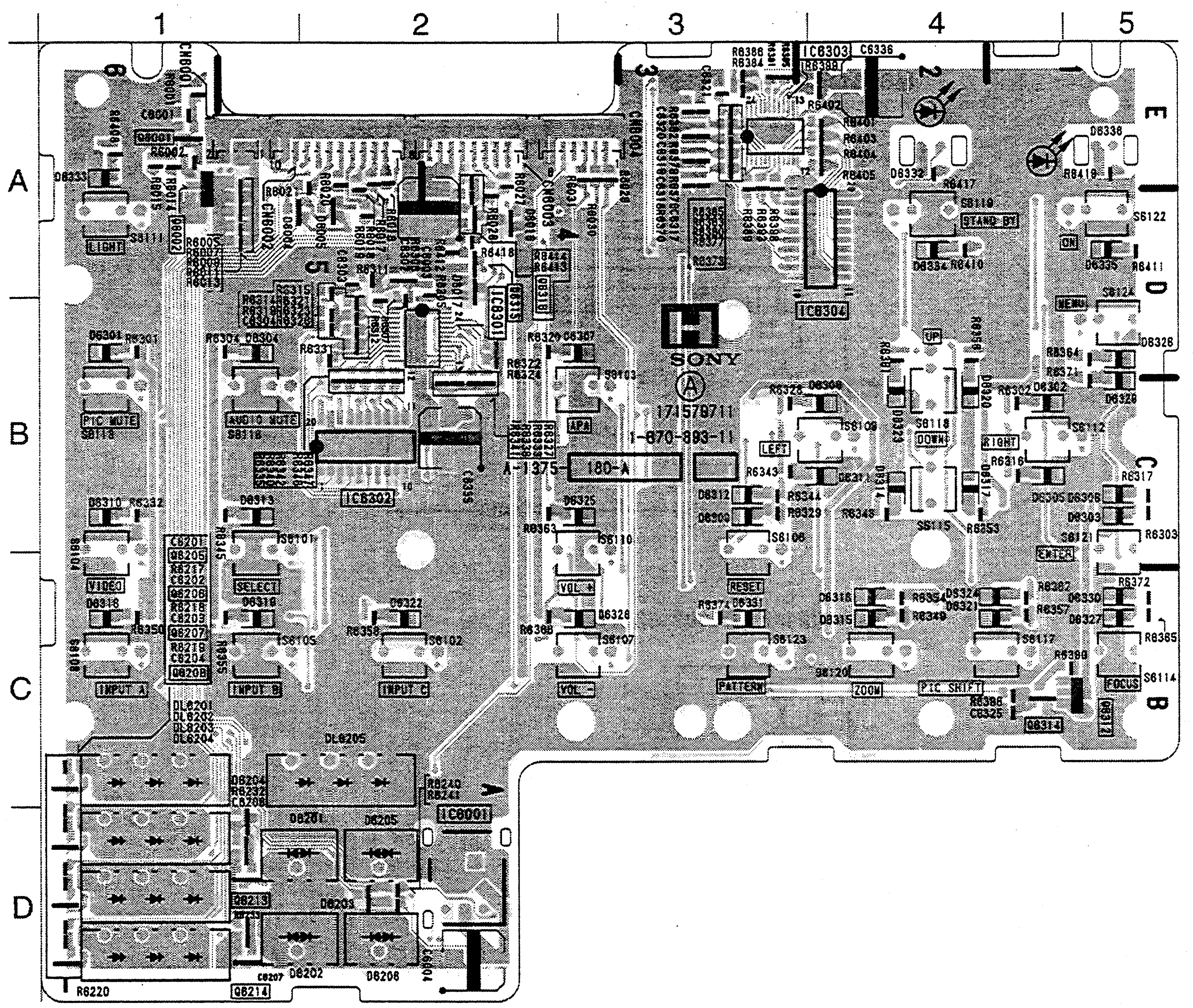
MB8814APFV-ER (IC6301, 6303)


CSO 16
CS1 17
CS2 18
MOD 19
SCL 20
SDA 21
I²C BUS INTERFACE
D/A&I/O CONTROL LOGIC
D0
D7
8BIT LATCH
1ch
4ch
5ch
12ch
VDD1 22
VSS1 23
R-2R LADDER CIRCUIT
15 VDD2
14 VSS2
VCC 13
GND 24
8
1 2 3 4
5 6 7 8 9 10 11 12
A01 ------ A04
D7/A05 ------D0/A012

TC74VHC244F (IC6302, 6304)

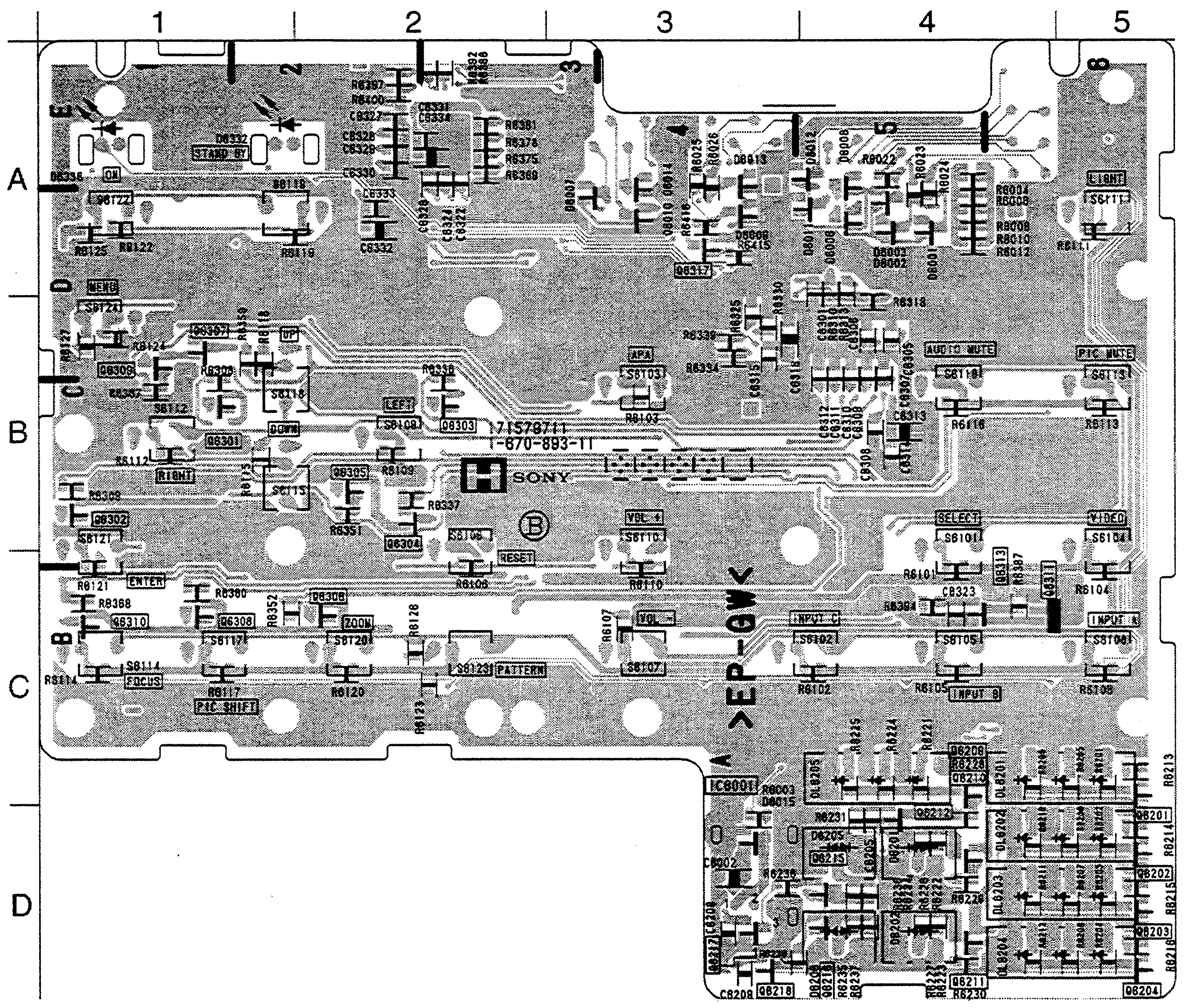

OEA 1
A1 2
YB4 3
A2 4
YB3 5
A3 6
YB2 7
A4 8
YB1 9
GND 10
20 VCC
19 OEB
18 YA1
17 B4
16 YA2
15 B3
14 YA3
13 B2
12 YA4
11 B1

H　H


1
2
3
4
5
A
B
C
D
SONY
171579711
1-670-893-11
A-1375-180-A
IC6001
IC6301
IC6302
IC6303
IC6304
LIGHT
PIC MUTE
AUDIO MUTE
APA
VIDEO
SELECT
VOL +
VOL -
RESET
ENTER
INPUT A
INPUT B
INPUT C
PATTERN
ZOOM
PIC SHIFT
FOCUS
STAND BY
ON
MENU
UP
DOWN
LEFT
RIGHT

H – A SIDE –

SUFFIX ; -11


1
2
3
4
5
A
B
C
D
SONY
171579711
1-670-893-11
>EP-GW<
IC6001
LIGHT
PIC MUTE
AUDIO MUTE
APA
VIDEO
SELECT
VOL +
VOL -
RESET
ENTER
INPUT A
INPUT B
PATTERN
ZOOM
PIC SHIFT
FOCUS
STAND BY
ON
MENU
UP
DOWN
LEFT
RIGHT

H – B SIDE –

SUFFIX ; -11

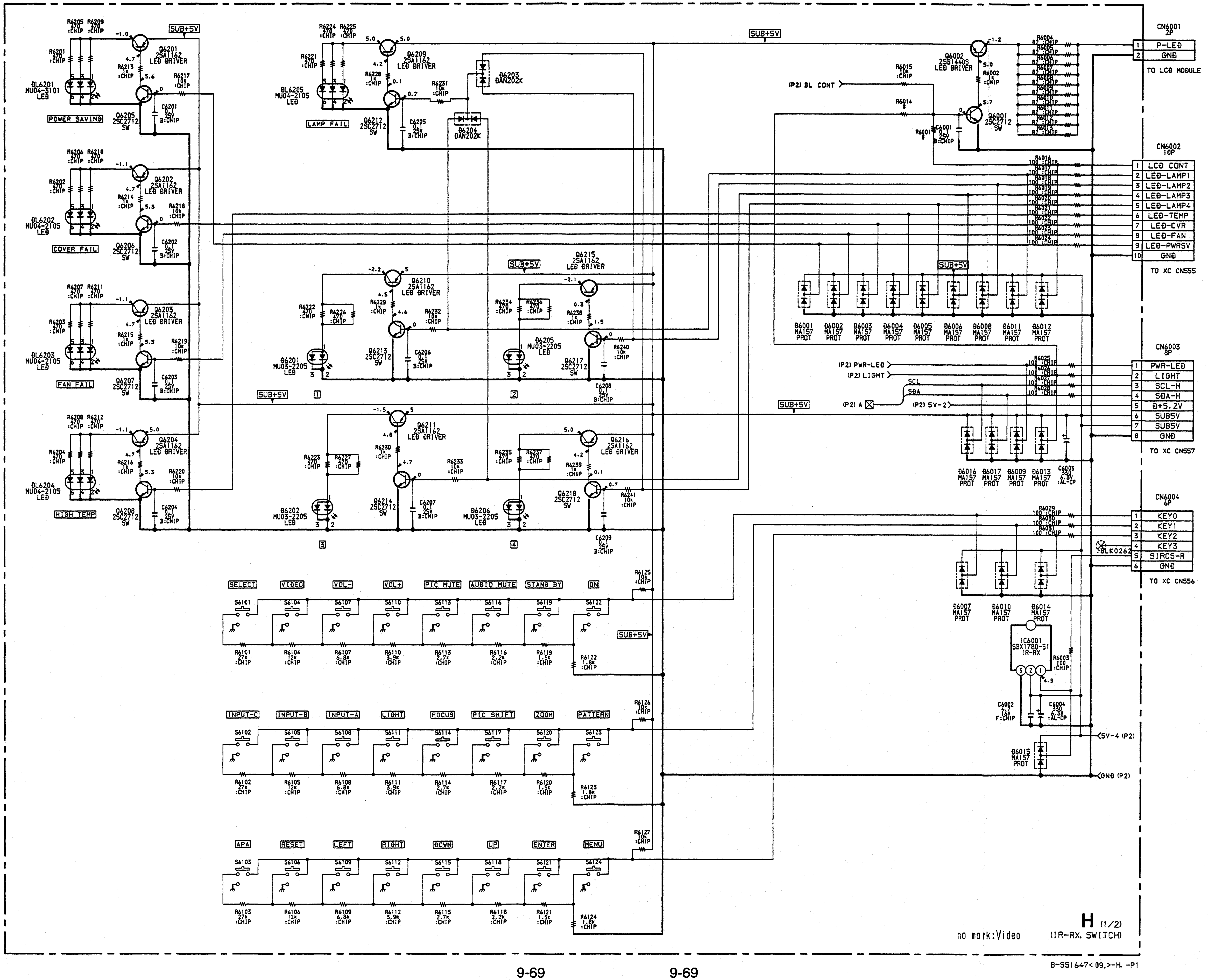
H

1-670-893-11

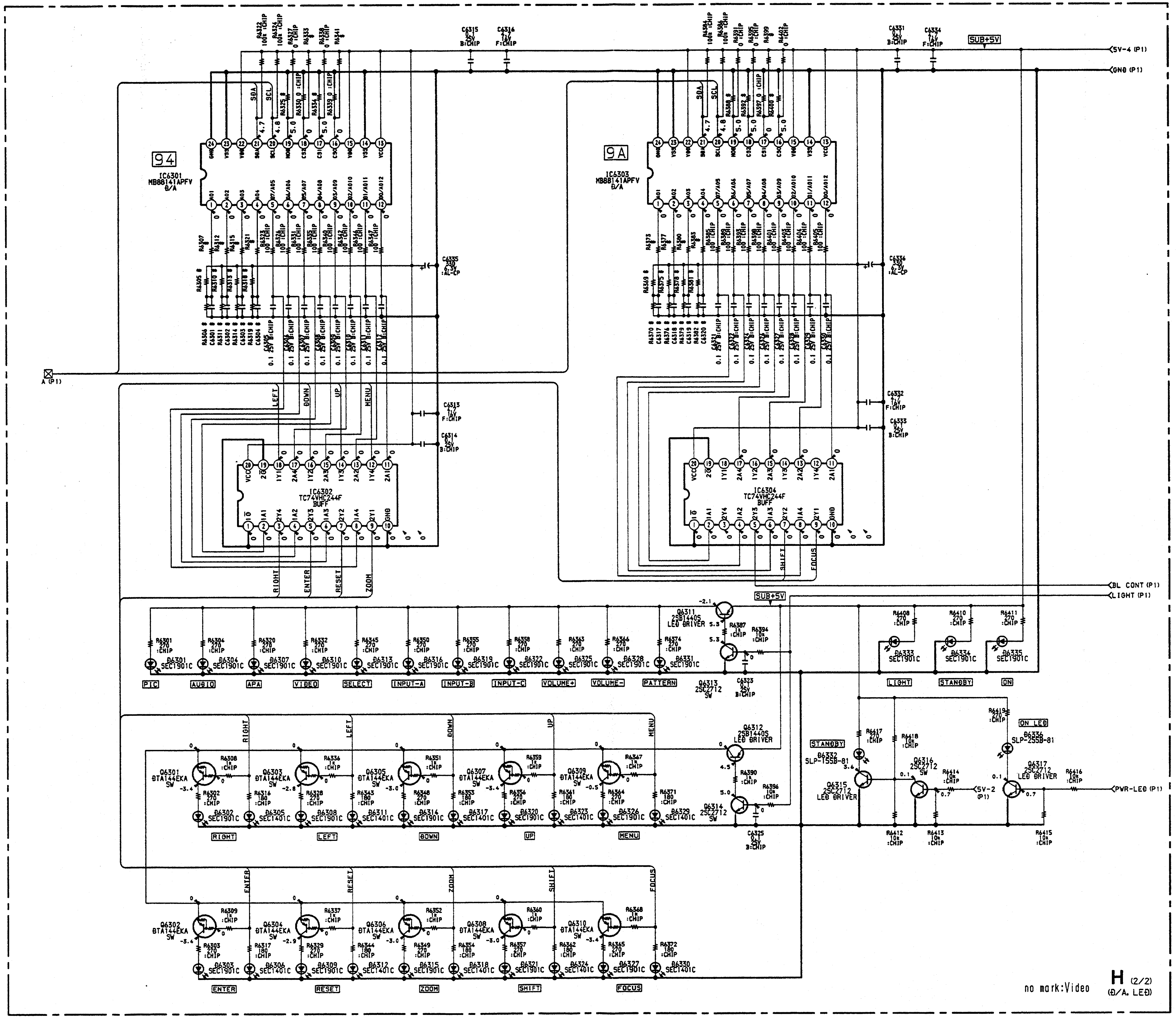
D6001	*A-4	D6304	B-1	D6330	C-5	Q6211	*D-4
D6002	*A-4	D6305	B-4	D6331	C-3	Q6212	*D-4
D6003	*A-4	D6306	B-5	D6332	A-4	Q6213	D-1
D6004	A-1	D6307	B-3	D6333	A-1	Q6214	D-1
D6005	A-2	D6308	B-4	D6334	A-4	Q6215	*D-4
D6006	*A-4	D6309	B-3	D6335	A-5	Q6216	*D-4
D6007	*A-3	D6310	B-1	D6336	A-5	Q6217	*D-3
D6008	*A-4	D6311	B-4			Q6218	*D-3
D6009	*A-3	D6312	B-3	IC6001	D-2	Q6301	B-1
D6010	*A-3	D6313	B-1	IC6301	B-2	Q6302	B-1
D6011	*A-4	D6314	B-4	IC6302	B-2	Q6303	*B-2
D6012	*A-4	D6315	C-4	IC6303	A-3	Q6304	*B-2
D6013	*A-3	D6316	C-1	IC6304	A-4	Q6305	*B-2
D6014	*A-3	D6317	B-4			Q6306	*C-2
D6015	*D-3	D6318	C-4	Q6001	A-1	Q6307	*B-1
D6016	A-2	D6319	C-1	Q6002	A-1	Q6308	*C-1
D6017	A-2	D6320	B-4	Q6201	*D-5	Q6309	*B-1
D6201	*D-4	D6321	C-4	Q6202	*D-5	Q6310	*C-1
D6202	*D-4	D6322	C-2	Q6203	*D-5	Q6311	*C-4
D6203	D-2	D6323	B-4	Q6204	*D-5	Q6312	C-5
D6204	C-1	D6324	C-4	Q6205	C-1	Q6313	*C-4
D6205	*D-4	D6325	B-3	Q6206	C-1	Q6314	C-4
D6206	*D-4	D6326	B-5	Q6207	C-1	Q6315	A-2
D6301	B-1	D6327	C-5	Q6208	C-1	Q6316	A-2
D6302	B-4	D6328	C-3	Q6209	*C-4	Q6317	A-3
D6303	B-5	D6329	B-5	Q6210	*C-4		

*:B Side mount

- Refer to page 9-68 for Printed Wiring Board
- Refer to page 9-67 for IC Block Diagrams


SUB+5V
POWER SAVING
COVER FAIL
FAN FAIL
HIGH TEMP
LAMP FAIL
D6201 MU04-5101 LED
D6202 MU04-2105 LED
D6203 MU04-2105 LED
D6204 MU04-2105 LED
D6205 MU04-2105 LED
Q6201 2SA1162 LED DRIVER
Q6202 2SA1162 LED DRIVER
Q6203 2SA1162 LED DRIVER
Q6204 2SA1162 LED DRIVER
Q6205 2SC2712 SW
Q6206 2SC2712 SW
Q6207 2SC2712 SW
Q6208 2SC2712 SW
Q6209 2SA1162 LED DRIVER
Q6212 2SC2712 SW
D6203 DAN202K
D6204 DAN202K
Q6210 2SA1162 LED DRIVER
Q6211 2SA1162 LED DRIVER
Q6213 2SC2712 SW
Q6214 2SC2712 SW
Q6215 2SA1162 LED DRIVER
Q6216 2SA1162 LED DRIVER
Q6217 2SC2712 SW
Q6218 2SC2712 SW
D6201 MU03-2205 LED
D6202 MU03-2205 LED
D6205 MU03-2205 LED
D6206 MU03-2205 LED
Q6002 2SB1440S LED DRIVER
Q6001 2SC2712 SW
(P2) BL CONT
(P2) PWR-LED
(P2) LIGHT
SCL
SDA
(P2) A
(P2) 5V-2
D6001 MA157 PROT
D6002 MA157 PROT
D6003 MA157 PROT
D6004 MA157 PROT
D6005 MA157 PROT
D6006 MA157 PROT
D6008 MA157 PROT
D6011 MA157 PROT
D6012 MA157 PROT
D6016 MA157 PROT
D6017 MA157 PROT
D6009 MA157 PROT
D6013 MA157 PROT
D6007 MA157 PROT
D6010 MA157 PROT
D6014 MA157 PROT
D6015 MA157 PROT
IC6001 SBX1780-51 IR-RX
C6003 33μ 6.3V :AL-CP
C6004 33μ 6.3V :AL-CP
CN6001 2P
1 P-LED
2 GND
TO LCD MODULE
CN6002 10P
1 LCD CONT
2 LED-LAMP1
3 LED-LAMP2
4 LED-LAMP3
5 LED-LAMP4
6 LED-TEMP
7 LED-CVR
8 LED-FAN
9 LED-PWRSV
10 GND
TO XC CN555
CN6003 8P
1 PWR-LED
2 LIGHT
3 SCL-H
4 SDA-H
5 D+5.2V
6 SUB5V
7 SUB5V
8 GND
TO XC CN557
CN6004 6P
1 KEY0
2 KEY1
3 KEY2
4 KEY3
5 SIRCS-R
6 GND
TO XC CN556
BLK0262
5V-4 (P2)
GND (P2)
SELECT
VIDEO
VOL-
VOL+
PIC MUTE
AUDIO MUTE
STAND BY
ON
S6101
S6104
S6107
S6110
S6113
S6116
S6119
S6122
INPUT-C
INPUT-B
INPUT-A
LIGHT
FOCUS
PIC SHIFT
ZOOM
PATTERN
S6102
S6105
S6108
S6111
S6114
S6117
S6120
S6123
APA
RESET
LEFT
RIGHT
DOWN
UP
ENTER
MENU
S6103
S6106
S6109
S6112
S6115
S6118
S6121
S6124
no mark:Video
H (1/2)
(IR-RX, SWITCH)
B-SS1647<09.>-H. -P1
1
2
3
4
5
A
B
C
D
E
F
G
H

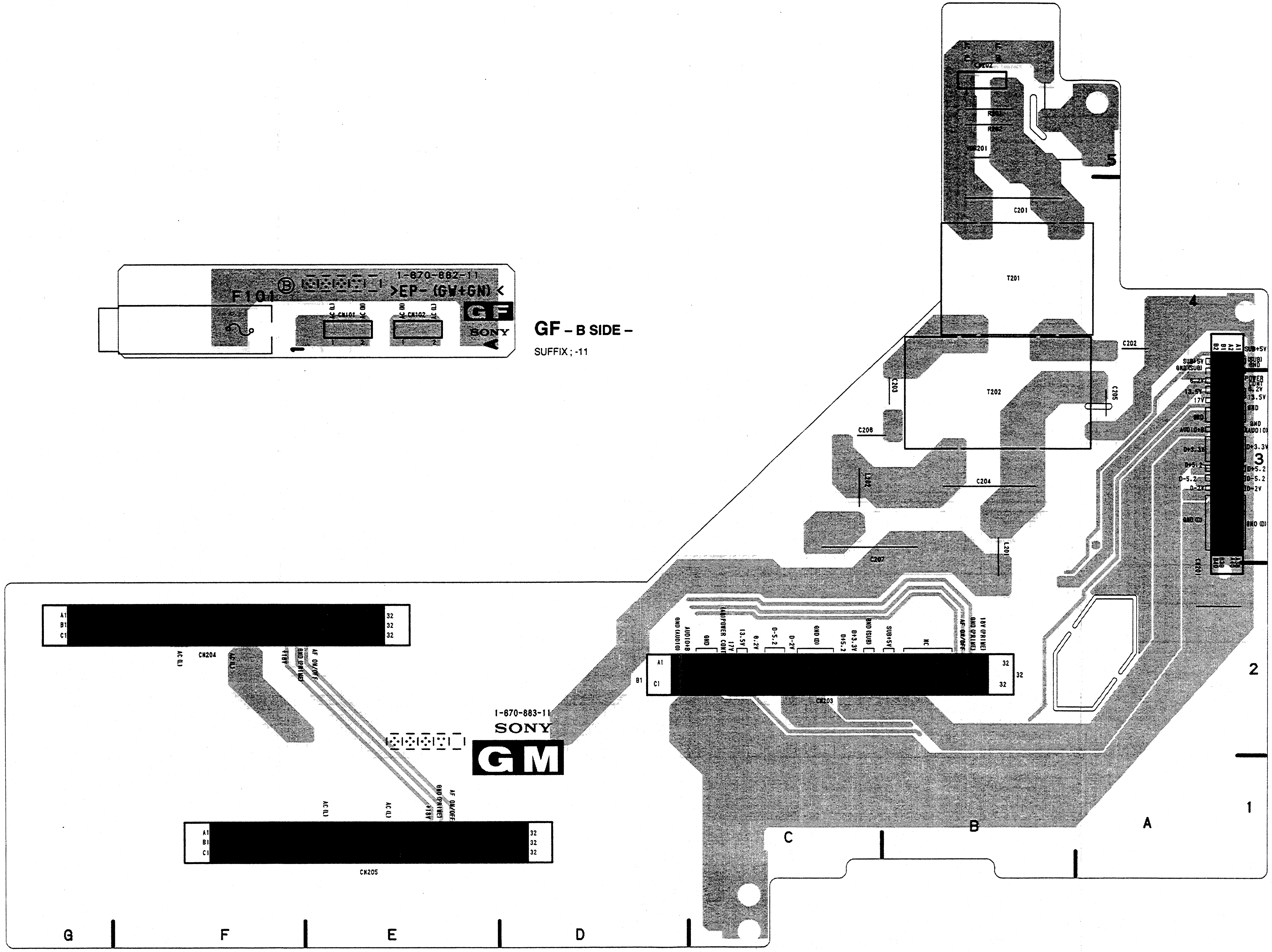
- Refer to page 9-68 for Printed Wiring Board
- Refer to page 9-67 for IC Block Diagrams


SV-4 (P1)
GND (P1)
SUB+5V
9A
IC6301
MB88141APFV
D/A
9A
IC6303
MB88141APFV
D/A
A (P1)
IC6302
TC74VHC244F
BUFF
IC6304
TC74VHC244F
BUFF
LEFT
DOWN
UP
MENU
RIGHT
ENTER
RESET
ZOOM
SHIFT
FOCUS
BL CONT (P1)
LIGHT (P1)
Q6311
2SB1440S
LED DRIVER
Q6313
2SC2712
SW
PIC
AUDIO
APA
VIDEO
SELECT
INPUT-A
INPUT-B
INPUT-C
VOLUME+
VOLUME-
PATTERN
LIGHT
STANDBY
ON
Q6312
2SB1440S
LED DRIVER
Q6314
2SC2712
SW
STANDBY
D6332
SLP-155B-81
Q6315
2SC2712
LED DRIVER
Q6316
2SC2712
SW
SV-2 (P1)
ON LED
D6336
SLP-255B-81
Q6317
2SC2712
LED DRIVER
PWR-LED (P1)
Q6301
DTA144EKA
SW
Q6303
DTA144EKA
SW
Q6305
DTA144EKA
SW
Q6307
DTA144EKA
SW
Q6309
DTA144EKA
SW
RIGHT
LEFT
DOWN
UP
MENU
Q6302
DTA144EKA
SW
Q6304
DTA144EKA
SW
Q6306
DTA144EKA
SW
Q6308
DTA144EKA
SW
Q6310
DTA144EKA
SW
ENTER
RESET
ZOOM
SHIFT
FOCUS
no mark:Video
H (2/2)
(D/A, LED)
B-SS1647<09.>-H. -P2

F101
1-670-882-11
>EP- (GV+GN)<
GF
SONY
CN101
CN102

GF – B SIDE –

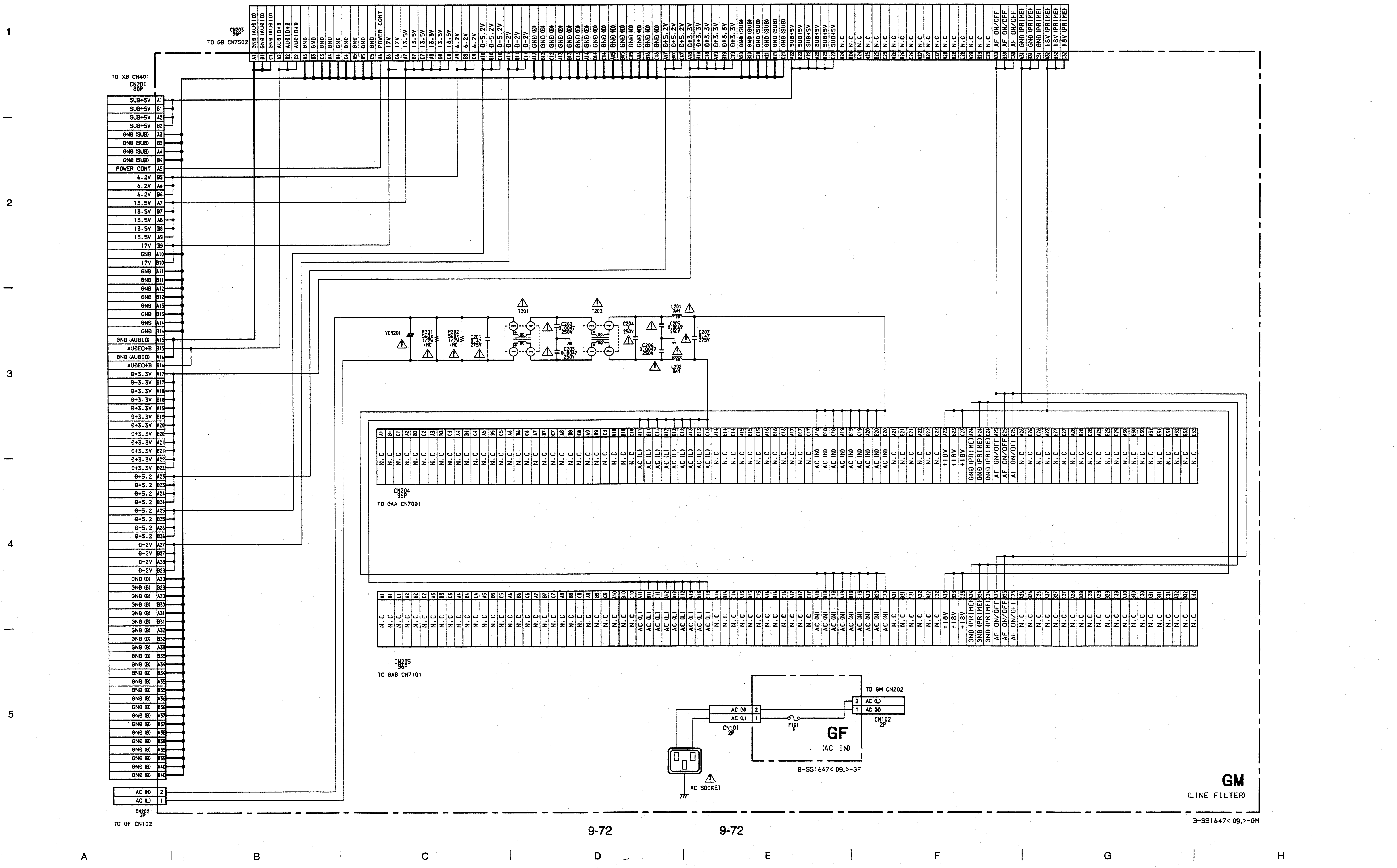
SUFFIX ; -11

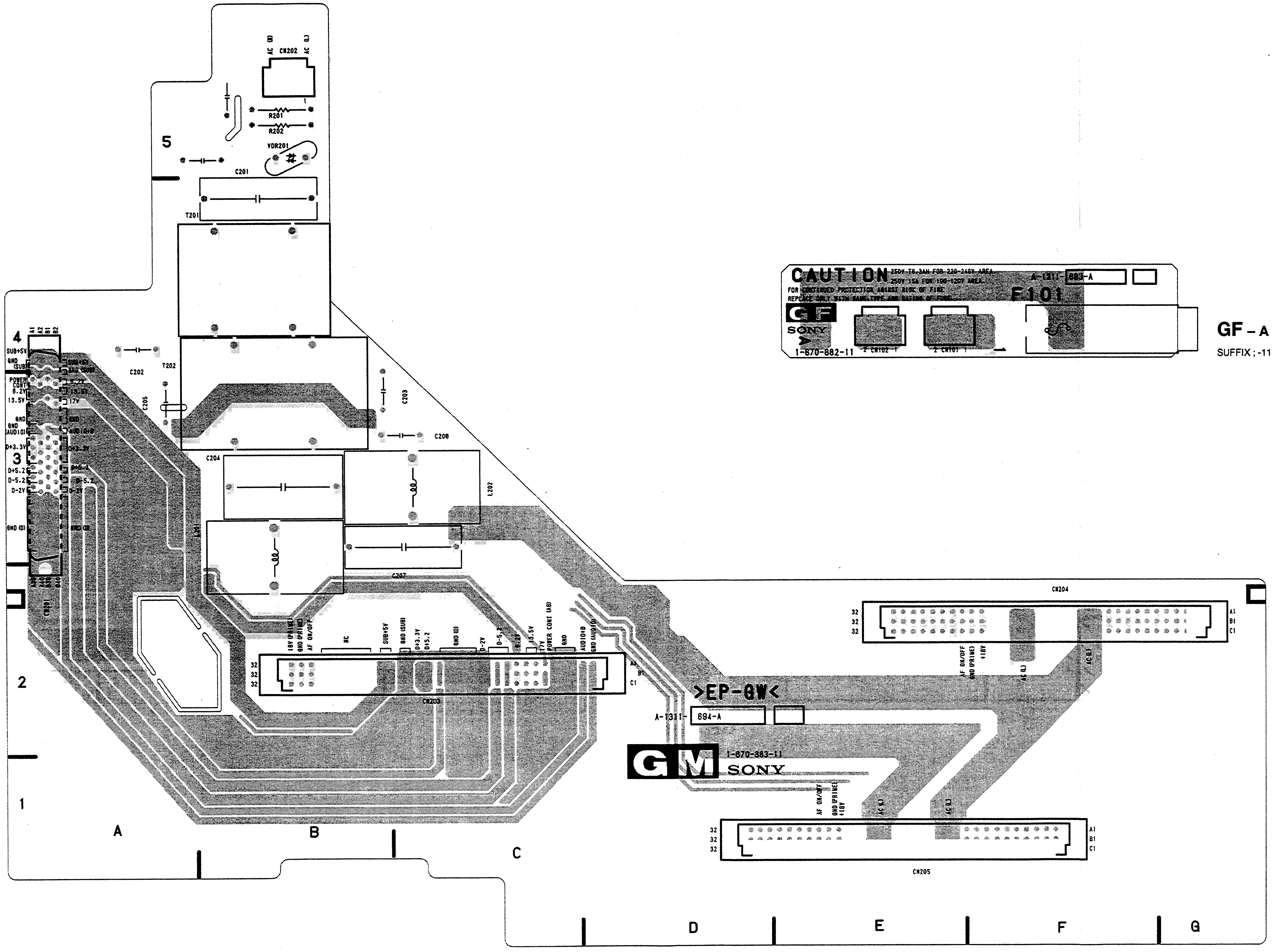

CN202
R201
R202
PS201
C201
T201
T202
C202
C203
C205
C206
C204
L202
C207
L201
CN201
SUB+5V
GND (SUB)
POWER CONT
6.2V
13.5V
17V
GND
GND (AUDIO)
AUDIO+8
D+3.3V
D+5.2
D-5.2
D-2V
GND (D)
CN203
18V (PRIME)
GND (PRIME)
AF ON/OFF
NC
CN204
CN205
AC (L)
+18V
1-670-883-11
SONY
GM
A1
B1
C1
32
1
2
3
4
5
A
B
C
D
E
F
G

GM – B SIDE –

SUFFIX ; -11

- Refer to page 9-71, 9-73 for Printed Wiring Board


CN203
96P
TO GB CN7502
TO XB CN401
CN201
80P
T201
T202
VBR201
R201
R202
C201
C202
C203
C204
C205
C206
C207
L201
L202
CN204
96P
TO GAA CN7001
CN205
96P
TO GAB CN7101
TO GM CN202
AC (N)
AC (L)
CN101
2P
F101
CN102
2P
GF
(AC IN)
B-SS1647< 09.>-GF
AC SOCKET
GM
(LINE FILTER)
B-SS1647< 09.>-GM
CN202
2P
TO GF CN102
1
2
3
4
5
A
B
C
D
E
F
G
H


CN202
AC (N)
AC (L)
R201
R202
VDR201
C201
T201
C202
T202
C205
C203
C206
C204
L202
L201
C207
CN201
SUB+5V
GND (SUB)
POWER CONT
8.2V
13.5V
GND
GND (AUDIO)
D+3.3V
D+5.2
D-5.2
D-2V
GND (D)
18V (PRIME)
GND (PRIME)
AF ON/OFF
NC
SUB+5V
GND (SUB)
D+3.3V
D+5.2
GND (D)
D-2V
D-5.2
8.2V
13.5V
17V
POWER CONT (AB)
GND
AUDIO+B
GND (AUDIO)
CN203
CN204
CN205
AC (L)
AC (N)
18V
32
A1
B1
C1
>EP-GW<
A-1311-894-A
GM
1-870-883-11
SONY
CAUTION
250V T6.3AH FOR 220-240V AREA
250V 15A FOR 100-120V AREA
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE
REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE
A-1311-883-A
F101
GF
SONY
1-870-882-11
CN102
CN101
1
2
3
4
5
A
B
C
D
E
F
G

GF – A SIDE –

SUFFIX ; -11

GM – A SIDE –

SUFFIX ; -11

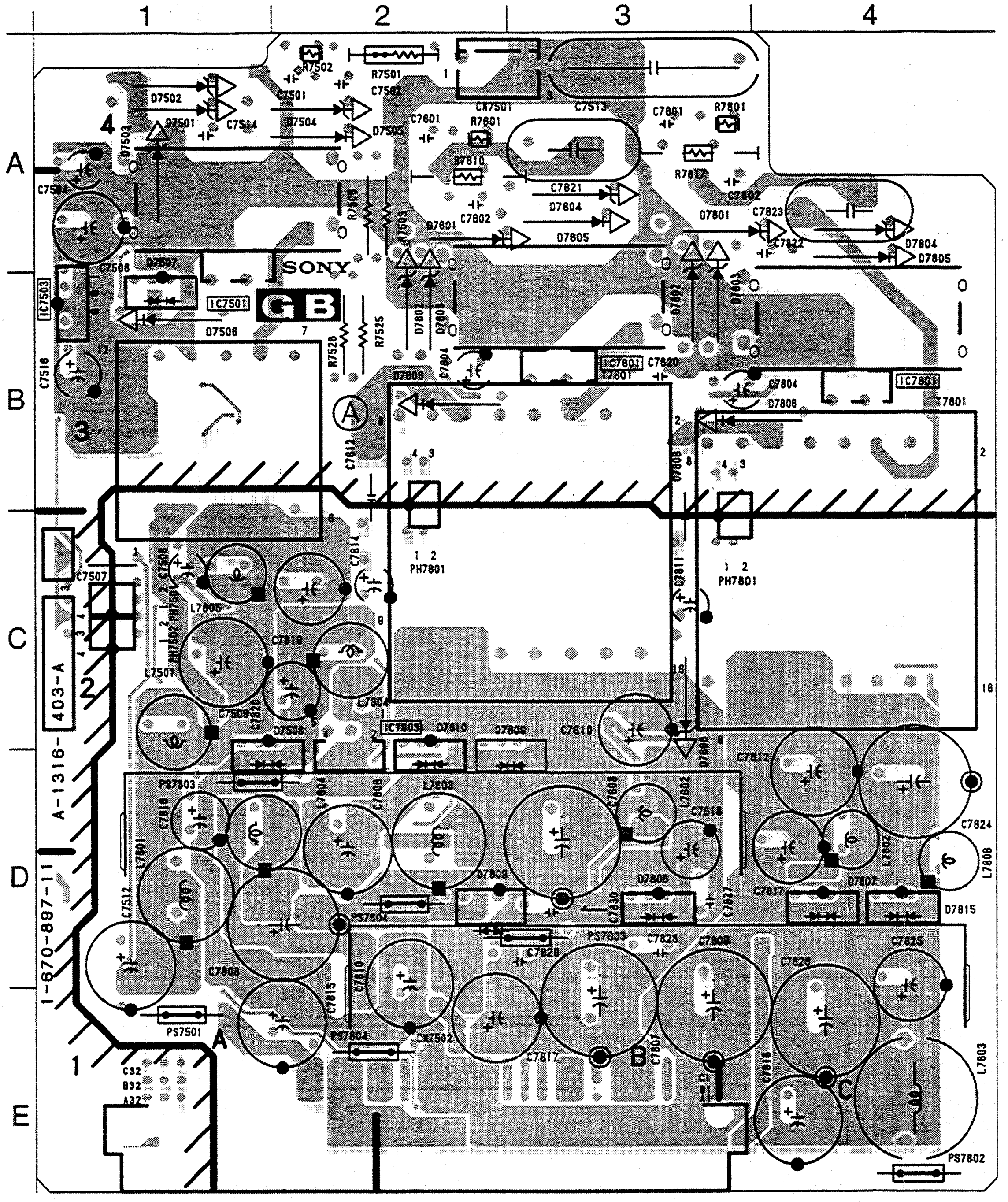
GB GB

GB

1-670-897-11

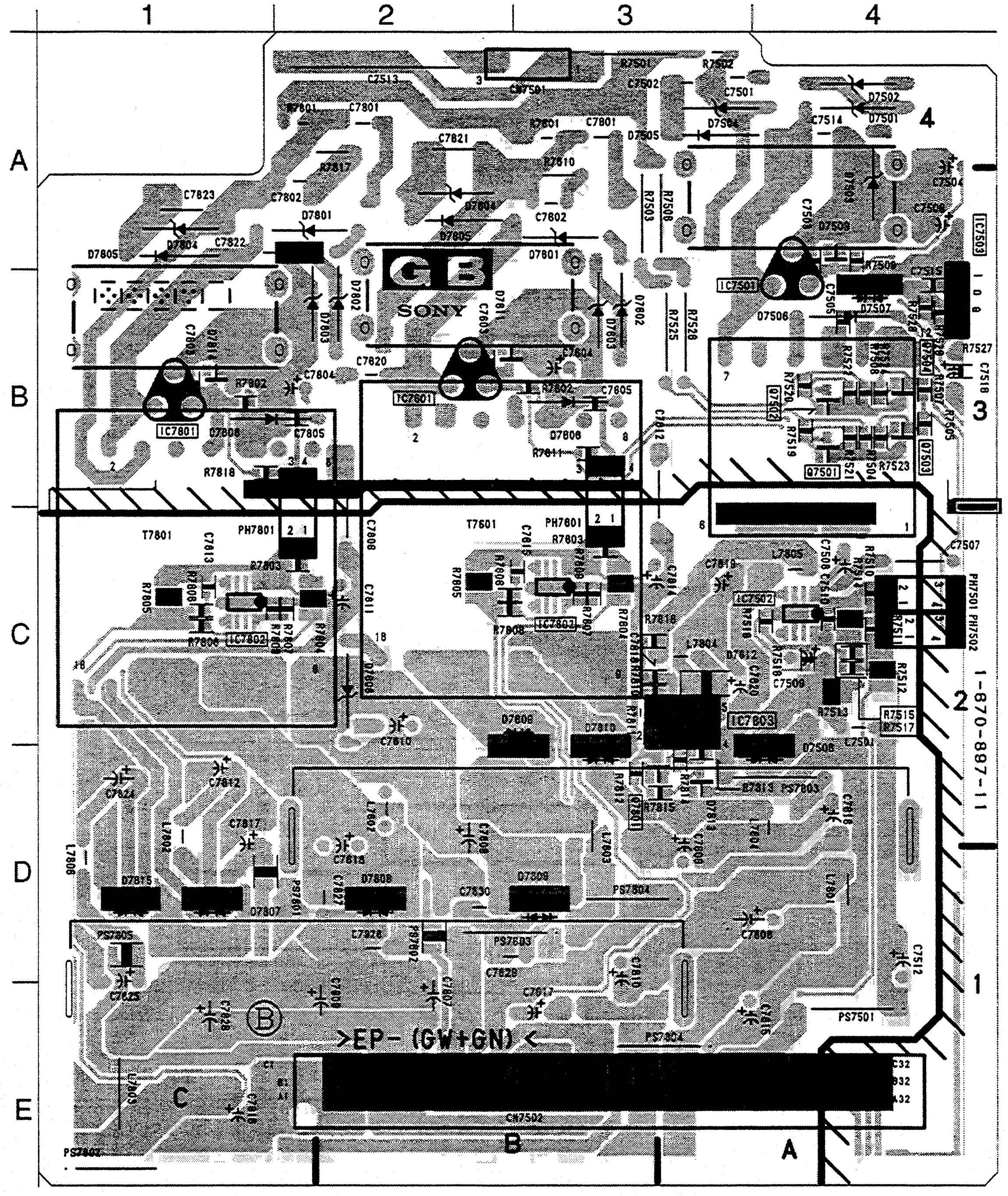
D7501	*A-4
D7502	*A-4
D7503	*A-4
D7504	*A-3
D7505	*A-3
D7506	*B-4
D7507	*B-4
D7508	*D-4
D7509	*A-4
D7601	*A-3
D7602	*B-3
D7603	*B-3
D7604	*A-2
D7605	*A-2
D7606	*B-3
D7608	*C-2
D7609	*C-3
D7610	*C-3
D7611	*B-2
D7801	*A-2
D7802	*B-2
D7803	*B-2
D7804	*A-1
D7805	*A-1
D7806	*B-1
D7807	*D-1
D7808	*D-2
D7809	*D-3
D7812	*C-3
D7813	*D-3
D7814	*B-1
D7815	*D-1
IC7501	*B-4
IC7502	*C-4
IC7503	*B-4
IC7601	*B-2
IC7602	*C-3
IC7801	*B-1
IC7802	*C-1
IC7803	*C-3
Q7501	*B-4
Q7502	*B-4
Q7503	*B-4
Q7504	*B-4
Q7801	*D-3

*:B Side mount


1
2
3
4
A
B
C
D
E
SONY
GB
A-1316-403-A
1-670-897-11
PH7801
T7801
CN7501
CN7502
IC7501
IC7503
IC7601
IC7801
IC7803
PS7501
PS7502
PS7503
PS7504
PS7802
PS7803
L7801
L7803
L7805
L7807
C32
B32
A32

GB - A SIDE -

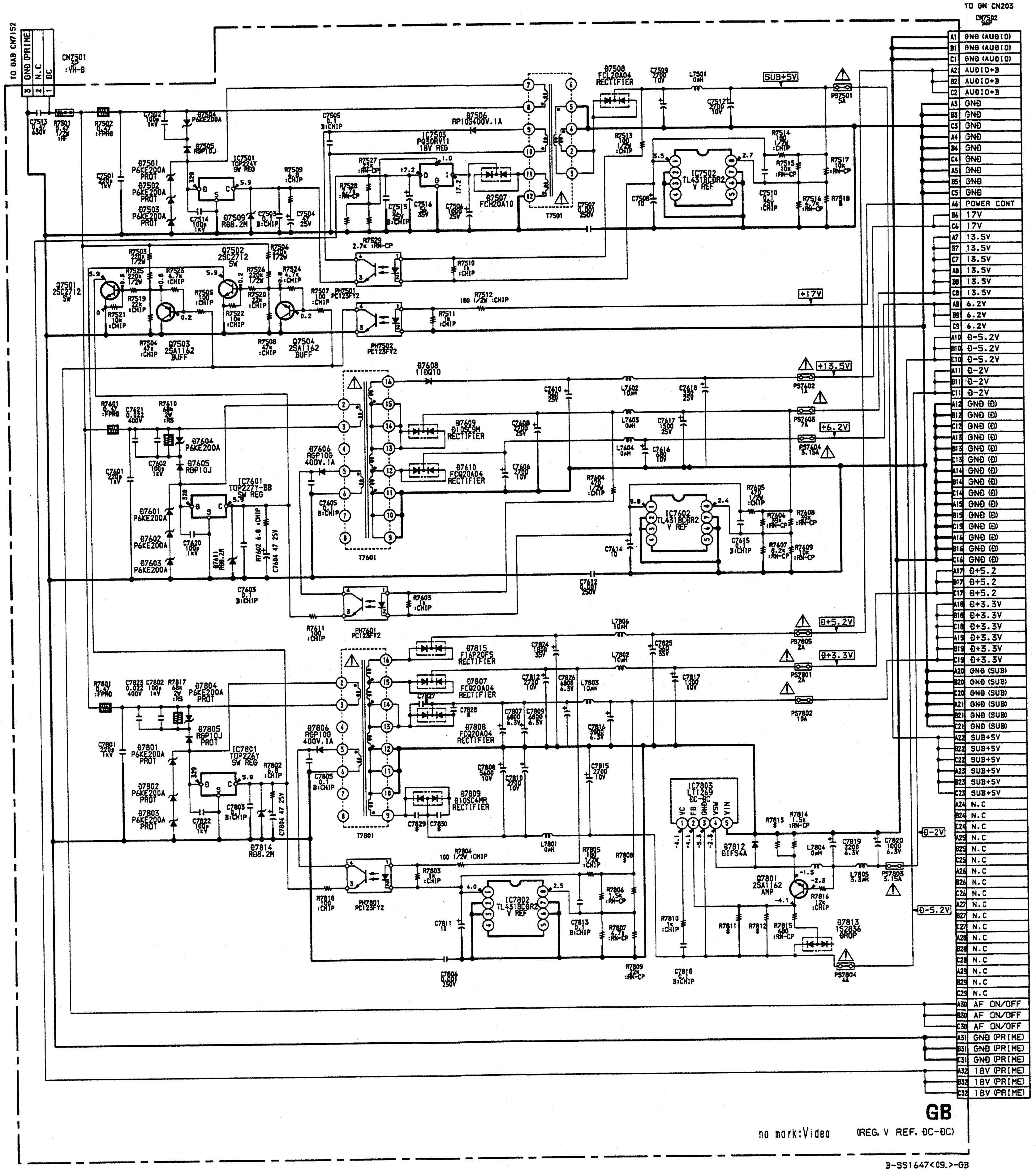
SUFFIX ; -11

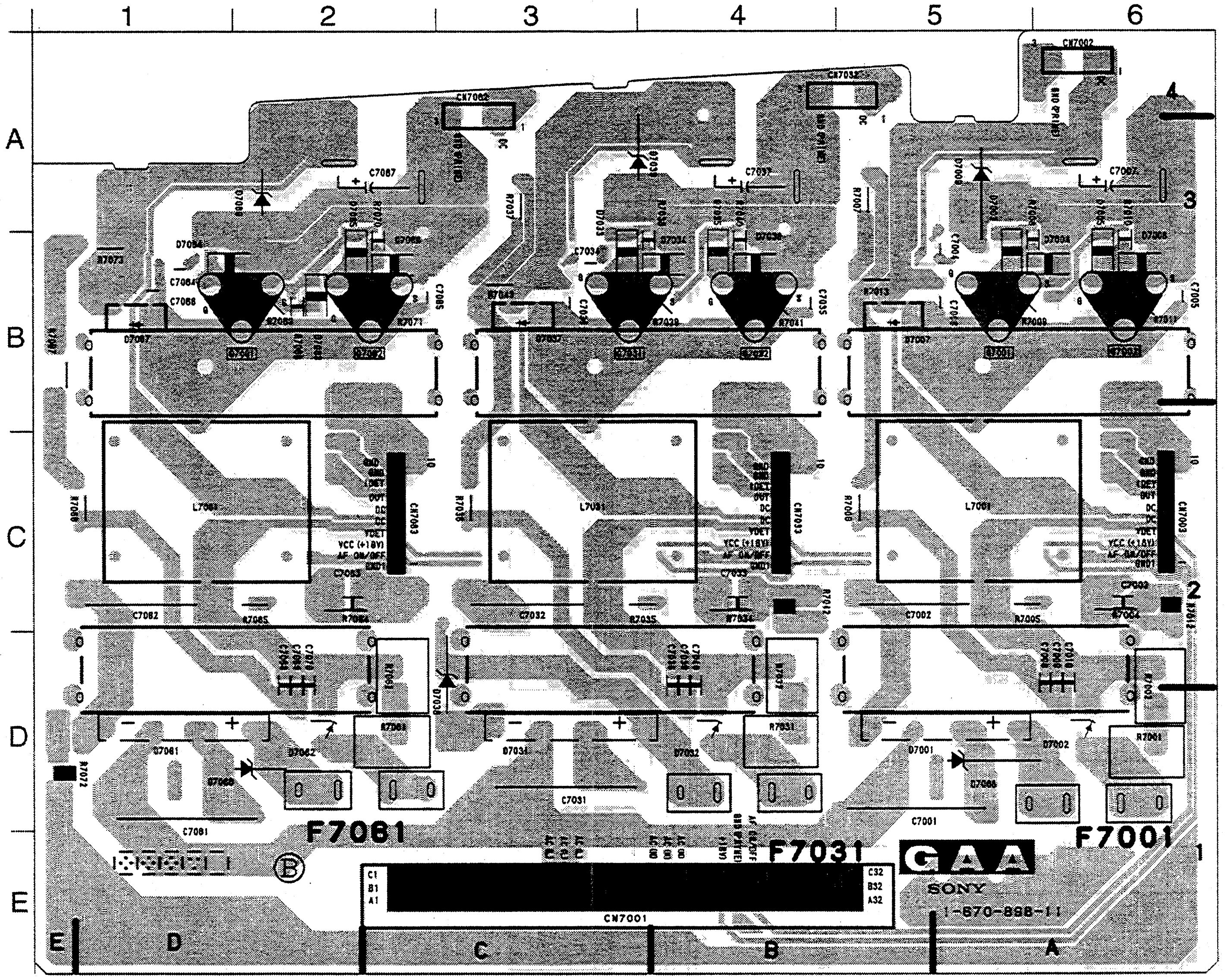

1
2
3
4
A
B
C
D
E
GB
SONY
>EP- (GW+GN)<
1-670-897-11
CN7501
CN7502
T7601
T7801
PH7801
PH7501 PH7502
IC7501
IC7502
IC7503
IC7601
IC7602
IC7801
IC7802
IC7803
PS7501
PS7503
PS7504
PS7505
PS7803
C32
B32
A32

GB- B SIDE -

SUFFIX ; -11

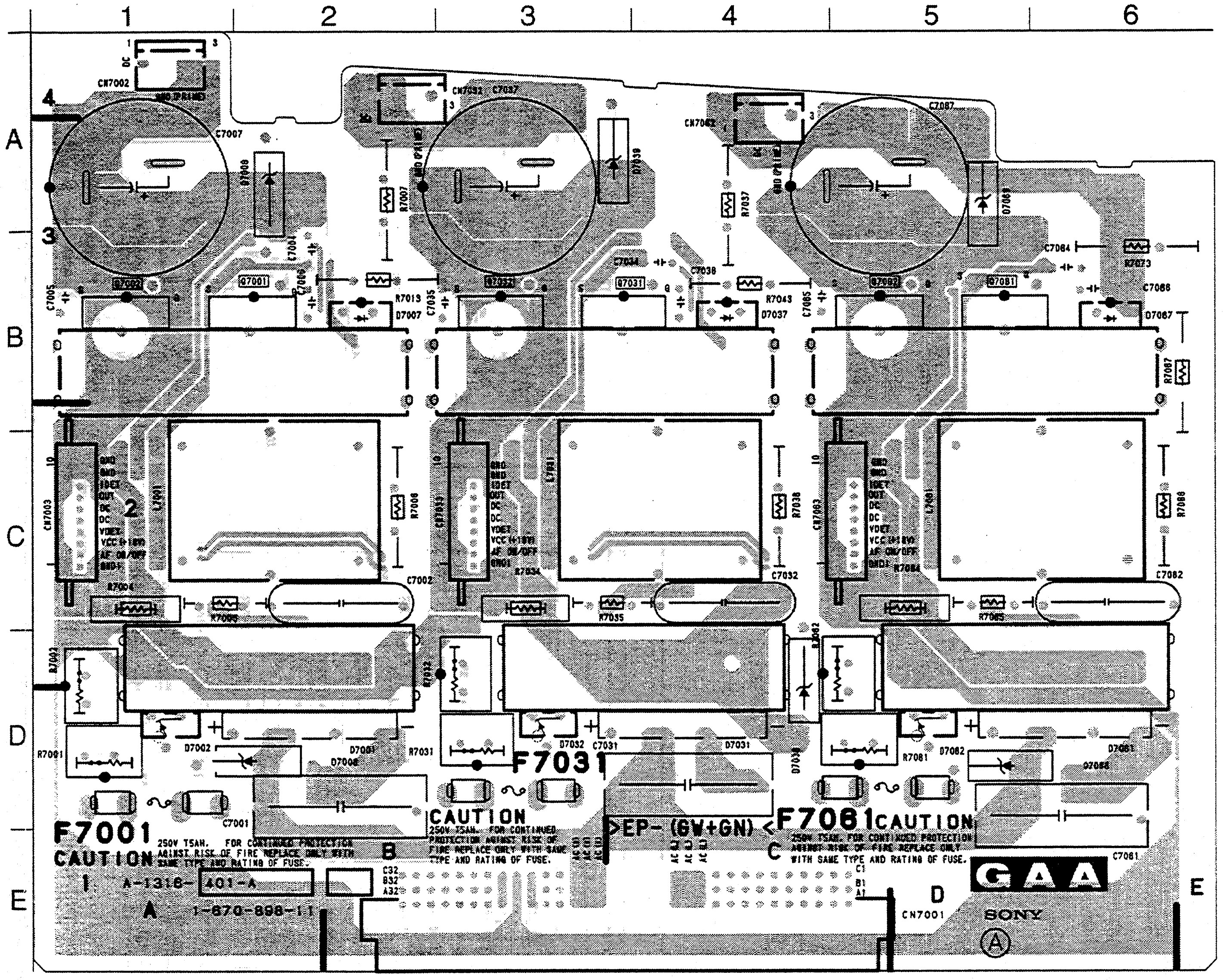
- Refer to page 9-74 for Printed Wiring Board


TO GAB CN7152
GND (PRIME)
N.C
DC
CN7501
TO GM CN203
CN7502
IC7501
TOP226Y
SW REG
IC7502
TL431BCDR2
V REF
IC7503
PQ30RV11
18V REG
T7501
D7508
FCL20A04
RECTIFIER
D7506
RP1G400V.1A
D7507
FCH20A10
Q7501
2SC2712
SW
Q7502
2SC2712
SW
Q7503
2SA1162
BUFF
Q7504
2SA1162
BUFF
PH7501
PC123FY2
PH7502
PC123FY2
SUB+5V
+17V
+13.5V
+6.2V
IC7601
TOP227Y-BB
SW REG
IC7602
TL431BCDR2
V REF
T7601
D7608
11EQ10
D7609
B10SC4M
RECTIFIER
D7610
FCQ20A04
RECTIFIER
PH7601
PC123FY2
⊖+5.2V
⊖+3.3V
IC7801
TOP226Y
SW REG
IC7802
TL431BCDR2
V REF
IC7803
LT1269
DC-DC
T7801
D7815
F16P20FS
RECTIFIER
D7807
FCQ20A04
RECTIFIER
D7808
FCQ20A04
RECTIFIER
D7809
B10SC4MR
RECTIFIER
D7812
B1FS4A
Q7801
2SA1162
AMP
D7813
1SS356
GROP
PH7801
PC123FY2
⊖-2V
⊖-5.2V
A1 GND (AUDIO)
B1 GND (AUDIO)
C1 GND (AUDIO)
A2 AUDIO+B
B2 AUDIO+B
C2 AUDIO+B
A3 GND
B3 GND
C3 GND
A4 GND
B4 GND
C4 GND
A5 GND
B5 GND
C5 GND
A6 POWER CONT
B6 17V
C6 17V
A7 13.5V
B7 13.5V
C7 13.5V
A8 13.5V
B8 13.5V
C8 13.5V
A9 6.2V
B9 6.2V
C9 6.2V
A10 ⊖-5.2V
B10 ⊖-5.2V
C10 ⊖-5.2V
A11 ⊖-2V
B11 ⊖-2V
C11 ⊖-2V
A12 GND (D)
B12 GND (D)
C12 GND (D)
A13 GND (D)
B13 GND (D)
C13 GND (D)
A14 GND (D)
B14 GND (D)
C14 GND (D)
A15 GND (D)
B15 GND (D)
C15 GND (D)
A16 GND (D)
B16 GND (D)
C16 GND (D)
A17 ⊖+5.2
B17 ⊖+5.2
C17 ⊖+5.2
A18 ⊖+3.3V
B18 ⊖+3.3V
C18 ⊖+3.3V
A19 ⊖+3.3V
B19 ⊖+3.3V
C19 ⊖+3.3V
A20 GND (SUB)
B20 GND (SUB)
C20 GND (SUB)
A21 GND (SUB)
B21 GND (SUB)
C21 GND (SUB)
A22 SUB+5V
B22 SUB+5V
C22 SUB+5V
A23 SUB+5V
B23 SUB+5V
C23 SUB+5V
A24 N.C
B24 N.C
C24 N.C
A25 N.C
B25 N.C
C25 N.C
A26 N.C
B26 N.C
C26 N.C
A27 N.C
B27 N.C
C27 N.C
A28 N.C
B28 N.C
C28 N.C
A29 N.C
B29 N.C
C29 N.C
A30 AF ON/OFF
B30 AF ON/OFF
C30 AF ON/OFF
A31 GND (PRIME)
B31 GND (PRIME)
C31 GND (PRIME)
A32 18V (PRIME)
B32 18V (PRIME)
C32 18V (PRIME)
GB
no mark:Video
(REG. V REF. ⊖C-⊖C)
B-SS1647<09.>-GB
1
2
3
4
5
A
B
C
D
E
F
G
H


1
2
3
4
5
6
A
B
C
D
E
F7061
F7031
F7001
CN7001
L7061
L7031
L7001
GAA
SONY
1-670-898-11
Ⓑ

GAA - B SIDE -

SUFFIX ; -11


1
2
3
4
5
6
A
B
C
D
E
F7001
CAUTION
250V T5AH. FOR CONTINUED PROTECTION AGINST RISK OF FIRE REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE.
F7031
CAUTION
250V T5AH. FOR CONTINUED PROTECTION AGINST RISK OF FIRE REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE.
>EP- (6W+GN)<
F7061
CAUTION
250V T5AH. FOR CONTINUED PROTECTION AGINST RISK OF FIRE REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE.
A-1316-401-A
1-670-898-11
CN7001
GAA
SONY
Ⓐ

GAA - A SIDE -

SUFFIX ; -11

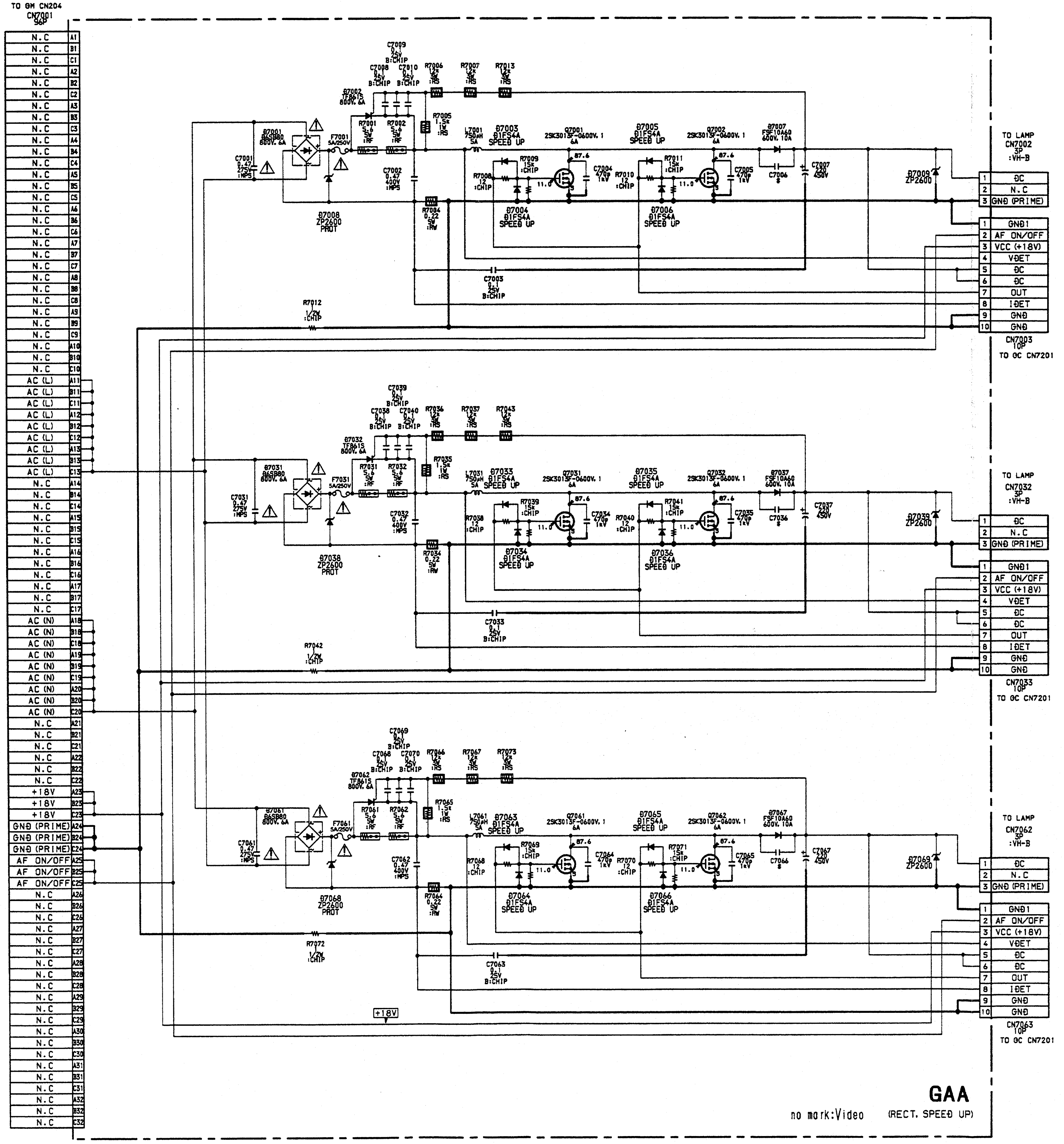
GAA

1-670-898-11

D7001	*D-5	Q7001	*B-5
D7002	*D-6	Q7002	*B-6
D7003	*A-5	Q7031	*B-3
D7004	*B-6	Q7032	*B-4
D7005	*A-6	Q7061	*B-2
D7006	*B-6	Q7062	*B-2
D7007	*B-5		
D7008	*D-5		
D7009	*A-5		
D7031	*D-3		
D7032	*D-4		
D7033	*A-3		
D7034	*B-4		
D7035	*A-4		
D7036	*B-4		
D7037	*B-3		
D7038	*D-3		
D7039	*A-4		
D7061	*D-1		
D7062	*D-2		
D7063	*B-2		
D7064	*B-1		
D7065	*A-2		
D7066	*B-2		
D7067	*B-1		
D7068	*D-1		
D7069	*A-2		

*:B Side mount

- Refer to page 9-76 for Printed Wiring Board

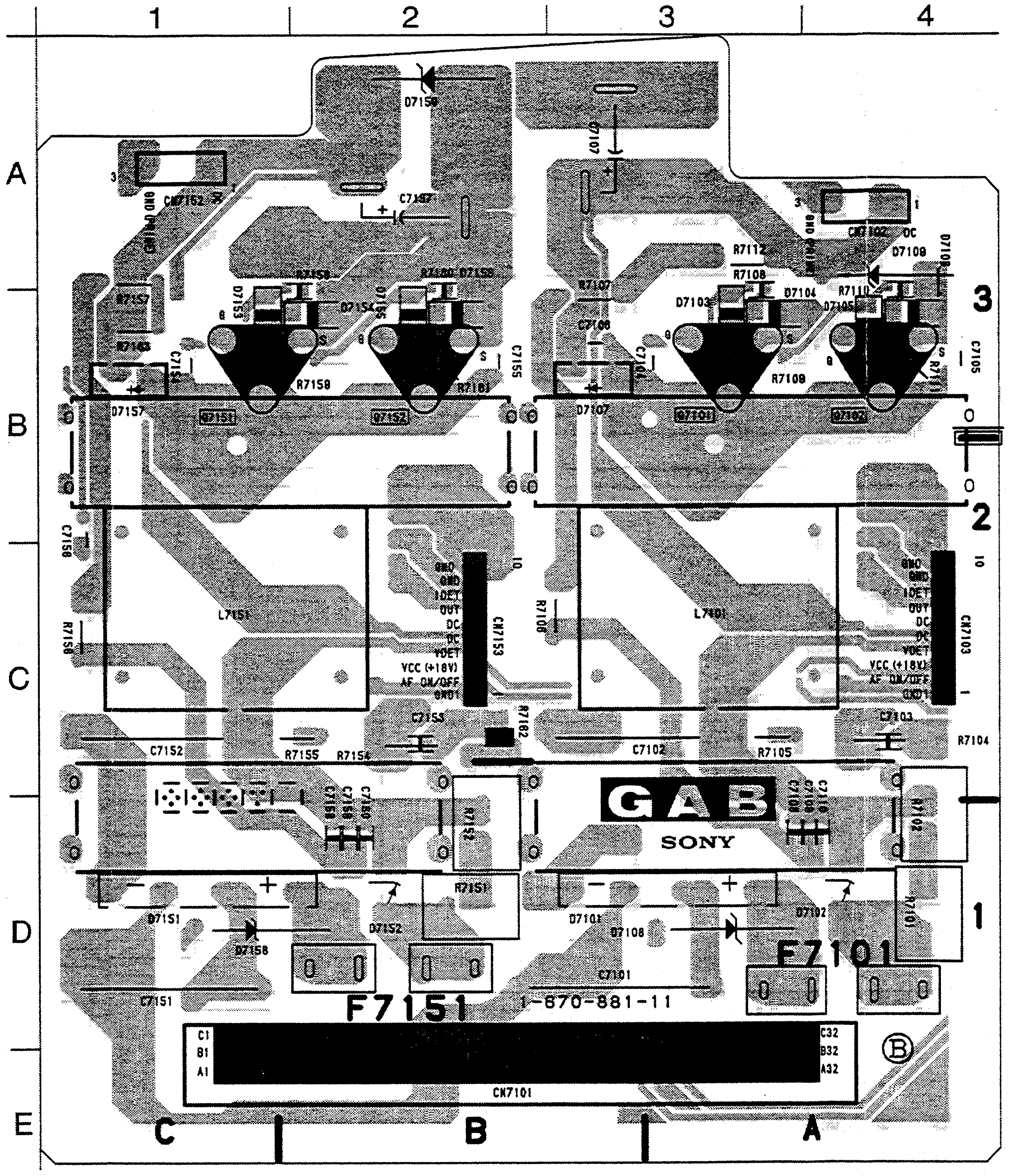

TO GM CN204
CN7001
96P
N.C
AC (L)
AC (N)
+18V
GND (PRIME)
AF ON/OFF
TO LAMP
CN7002
3P
:VH-B
TO LAMP
CN7032
3P
:VH-B
TO LAMP
CN7062
3P
:VH-B
DC
N.C
GND (PRIME)
GND1
AF ON/OFF
VCC (+18V)
VDET
DC
DC
OUT
IDET
GND
GND
CN7003
10P
TO DC CN7201
CN7033
10P
TO DC CN7201
CN7063
10P
TO DC CN7201
D7001
D6SB80
600V, 6A
F7001
5A/250V
D7003
D1FS4A
SPEED UP
Q7001
2SK3013F-0600V, 1
6A
D7005
D1FS4A
SPEED UP
Q7002
2SK3013F-0600V, 1
6A
D7007
FSF10A60
600V, 10A
D7004
D1FS4A
SPEED UP
D7006
D1FS4A
SPEED UP
D7008
ZP2600
PROT
D7009
ZP2600
L7001
750μH
5A
+18V
GAA
no mark:Video
(RECT. SPEED UP)

B-SS1647<09.>-GAA

-
GAB
-
1-670-881-11

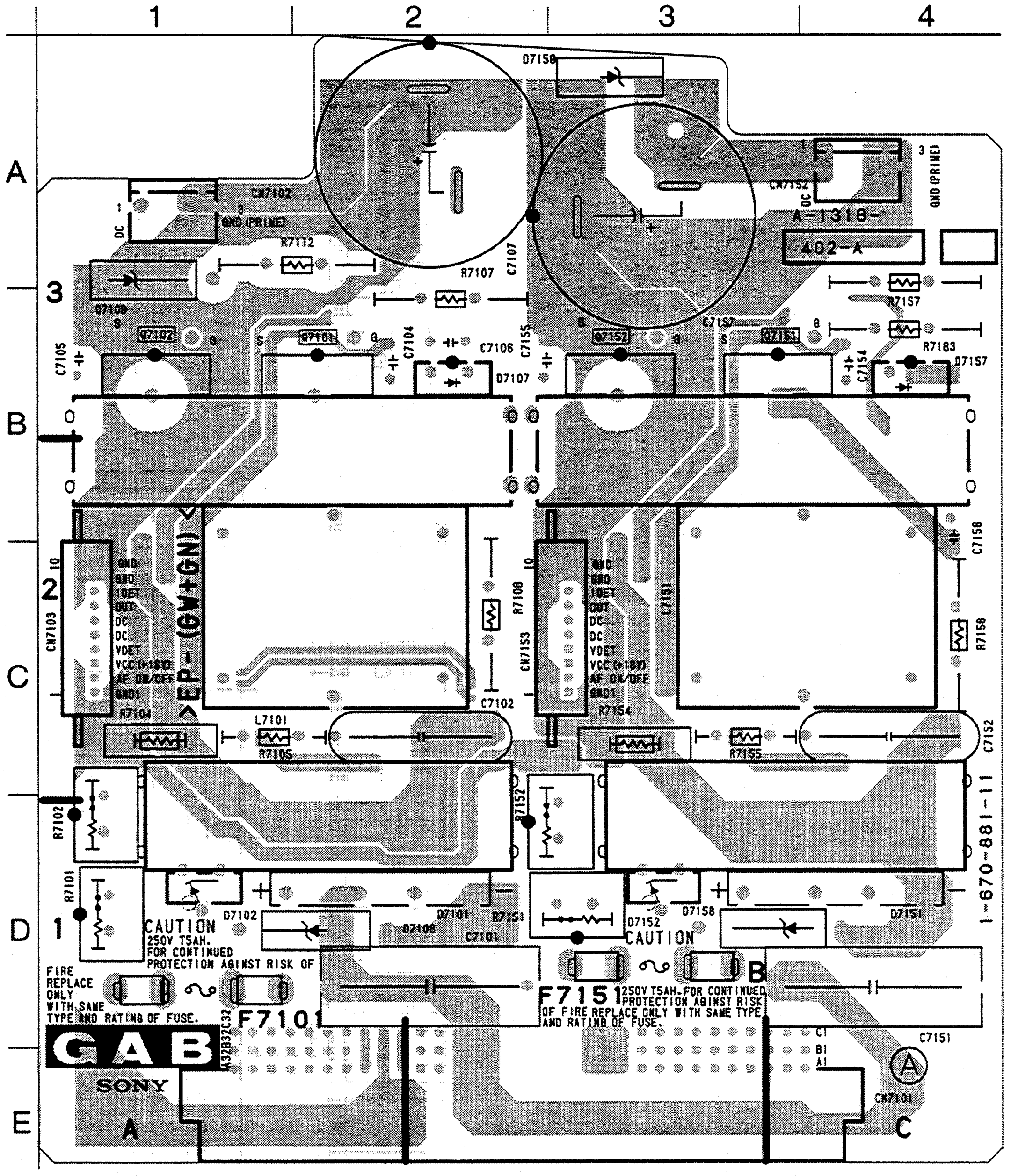
D7101	*D-3
D7102	*D-4
D7103	*B-3
D7104	*B-3
D7105	*B-4
D7106	*B-4
D7107	*B-3
D7108	*D-3
D7109	*A-4
D7151	*D-1
D7152	*D-2
D7153	*B-1
D7154	*B-2
D7155	*B-2
D7156	*B-2
D7157	*A-2
D7158	*D-1
D7159	*A-2
Q7101	*B-3
Q7102	*B-4
Q7151	*B-1
Q7152	*B-2

*:B Side mount


1
2
3
4
A
B
C
D
E
GAB
SONY
F7151
F7101
1-670-881-11
CN7101
CN7103
CN7153
L7151
L7101
GND
GND
IDET
OUT
DC
DC
VDET
VCC (+18V)
AF ON/OFF
GND1
C1
B1
A1
C32
B32
A32

GAB - B SIDE -

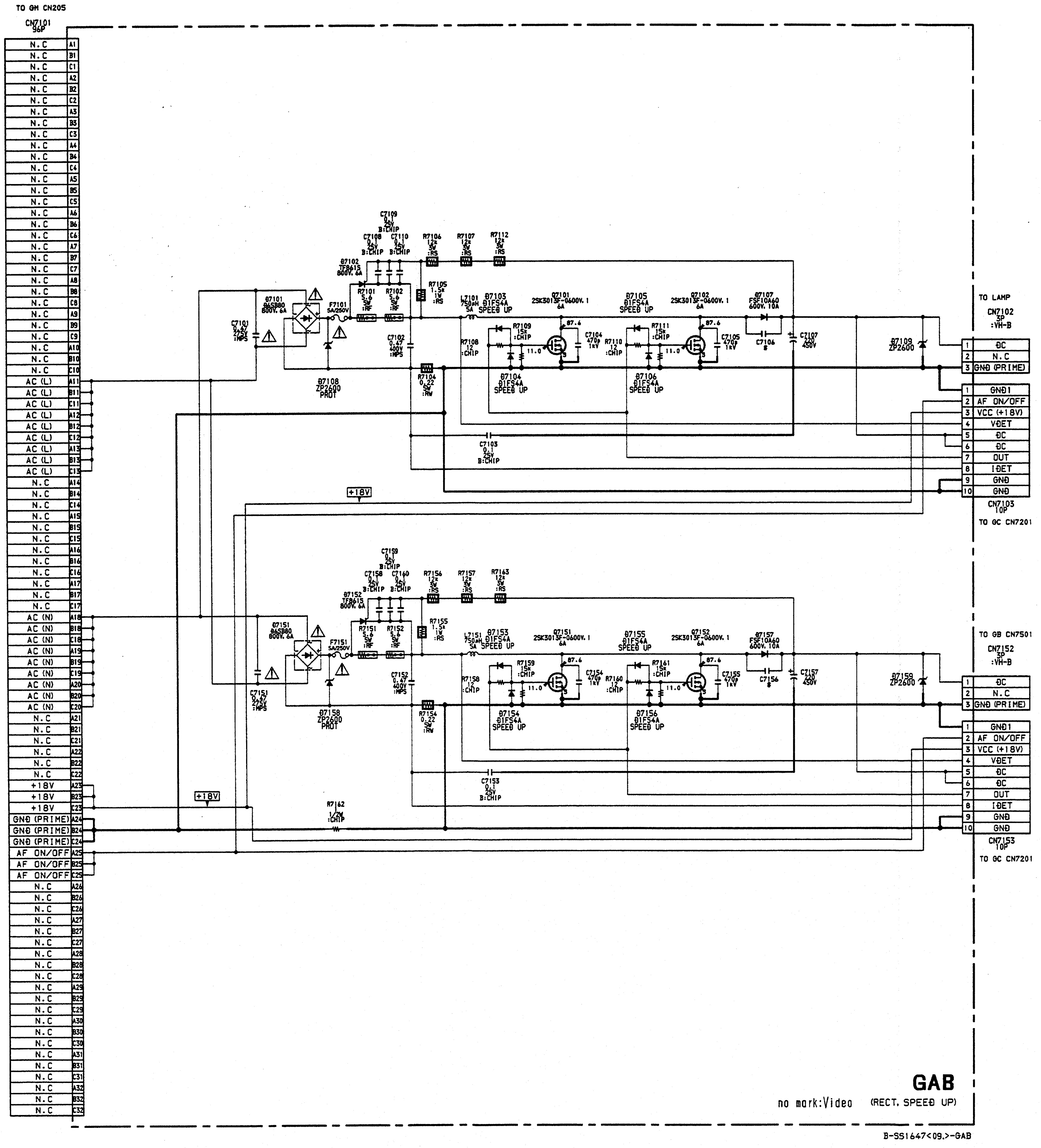
SUFFIX ; -11

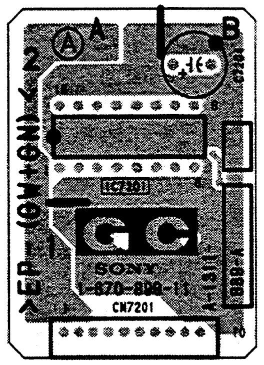

1
2
3
4
A
B
C
D
E
GAB
SONY
CAUTION
250V T5AH.
FOR CONTINUED
PROTECTION AGINST RISK OF
FIRE
REPLACE
ONLY
WITH SAME
TYPE AND RATING OF FUSE.
F7101
CAUTION
F7151
250V T5AH. FOR CONTINUED PROTECTION AGINST RISK OF FIRE REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE.
EP-(GW+GN)
1-670-881-11
A-1318-402-A
GND(PRIME)
CN7101
CN7102
CN7152
CN7103
CN7153
L7101
L7151

GAB - A SIDE -

SUFFIX ; -11

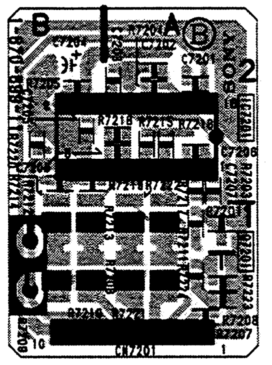
- Refer to page 9-78 for Printed Wiring Board


TO GM CN205
CN7101
96P
N.C
AC (L)
AC (N)
+18V
GND (PRIME)
AF ON/OFF
C7109 0.1 25V B:CHIP
C7108 0.1 25V B:CHIP
C7110 0.1 25V B:CHIP
R7106 12k 3W :RS
R7107 12k 3W :RS
R7112 12k 3W :RS
D7102 TF861S 800V. 6A
R7105 1.5k 1W :RS
D7101 D6SB80 800V. 6A
F7101 5A/250V
R7101 5.6 5W :RF
R7102 5.6 5W :RF
C7101 0.47 275V :MPS
C7102 0.47 400V :MPS
L7101 750µH 5A
D7103 D1FS4A SPEED UP
Q7101 2SK3013F-0600V. 1 6A
D7105 D1FS4A SPEED UP
Q7102 2SK3013F-0600V. 1 6A
D7107 FSF10A60 600V. 10A
R7109 15k :CHIP
R7108 12 :CHIP
87.6
11.0
C7104 470p 1kV
R7111 15k :CHIP
R7110 12 :CHIP
C7105 470p 1kV
C7106
C7107 220 450V
D7104 D1FS4A SPEED UP
D7106 D1FS4A SPEED UP
D7108 ZP2600 PROT
R7104 0.22 5W :RW
C7103 0.1 25V B:CHIP
D7109 ZP2600
TO LAMP
CN7102 3P :VH-B
1 DC
2 N.C
3 GND (PRIME)
1 GND1
2 AF ON/OFF
3 VCC (+18V)
4 VDET
5 DC
6 DC
7 OUT
8 IDET
9 GND
10 GND
CN7103 10P
TO GC CN7201
+18V
C7159 0.1 25V B:CHIP
C7158 0.1 25V B:CHIP
C7160 0.1 25V B:CHIP
R7156 12k 3W :RS
R7157 12k 3W :RS
R7163 12k 3W :RS
D7152 TF861S 800V. 6A
R7155 1.5k 1W :RS
D7151 D6SB80 800V. 6A
F7151 5A/250V
R7151 5.6 5W :RF
R7152 5.6 5W :RF
C7151 0.47 275V :MPS
C7152 0.47 400V :MPS
L7151 750µH 5A
D7153 D1FS4A SPEED UP
Q7151 2SK3013F-0600V. 1 6A
D7155 D1FS4A SPEED UP
Q7152 2SK3013F-0600V. 1 6A
D7157 FSF10A60 600V. 10A
R7159 15k :CHIP
R7158 12 :CHIP
C7154 470p 1kV
R7161 15k :CHIP
R7160 12 :CHIP
C7155 470p 1kV
C7156
C7157 220 450V
D7154 D1FS4A SPEED UP
D7156 D1FS4A SPEED UP
D7158 ZP2600 PROT
R7154 0.22 5W :RW
C7153 0.1 25V B:CHIP
R7162 1/2W :CHIP
D7159 ZP2600
TO GB CN7501
CN7152 3P :VH-B
CN7153 10P
TO GC CN7201
GAB
no mark:Video
(RECT. SPEED UP)
B-SS1647<09.>-GAB


A
B
2
IC7201
GC
SONY
CN7201
10

GC – A SIDE –

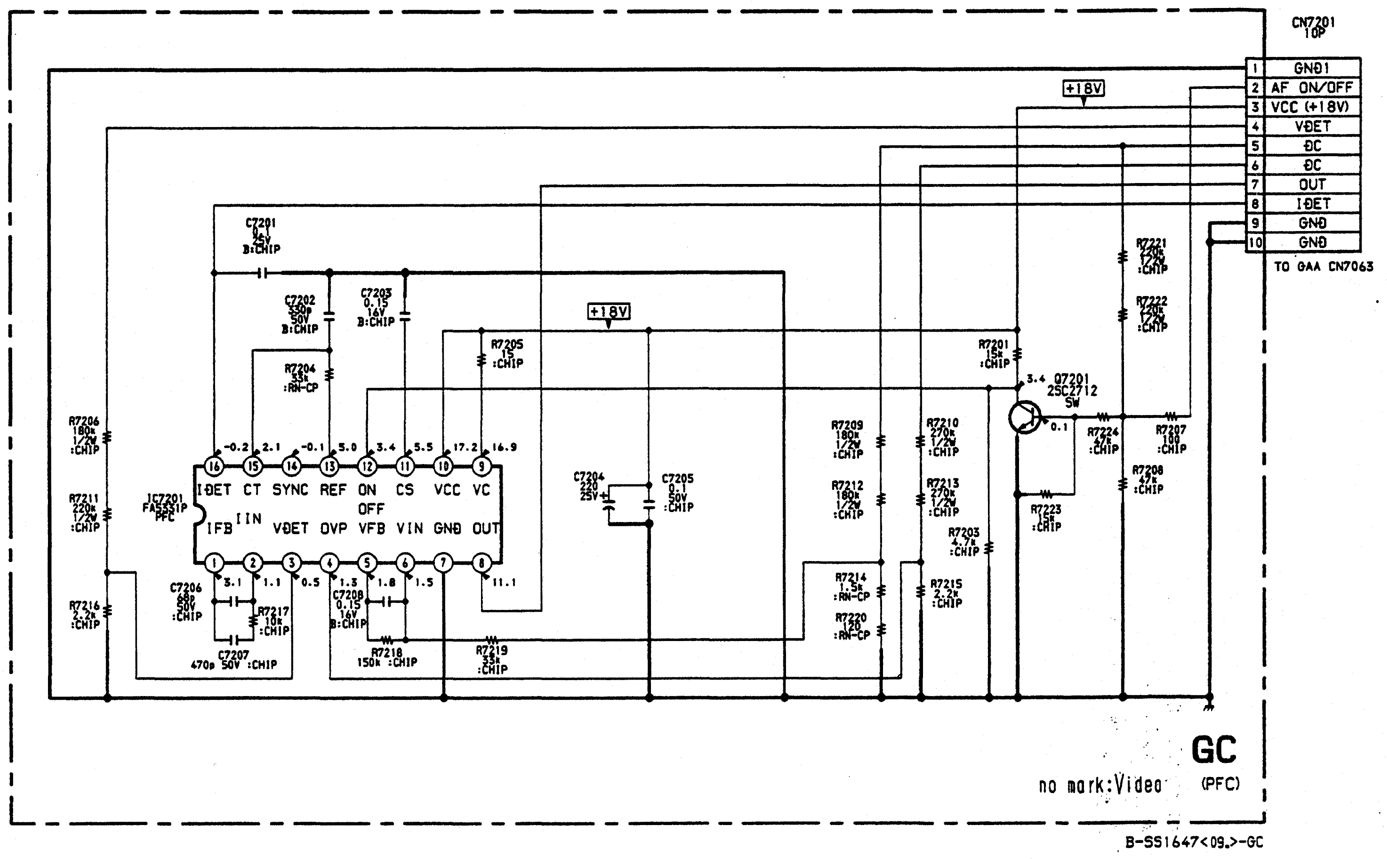
SUFFIX ; -11


B
A
2
CN7201
10
1

GC – B SIDE –

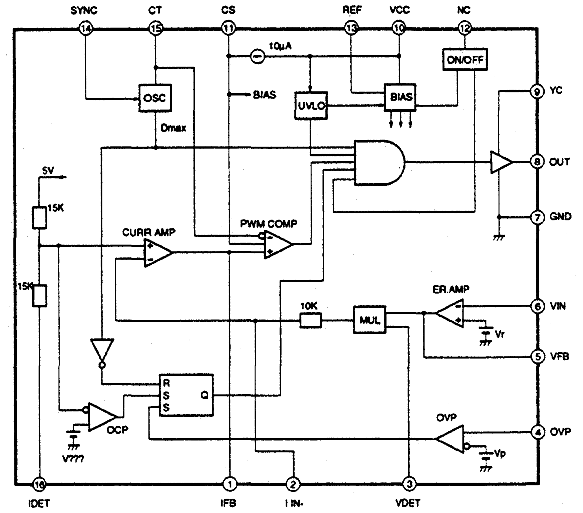
SUFFIX ; -11

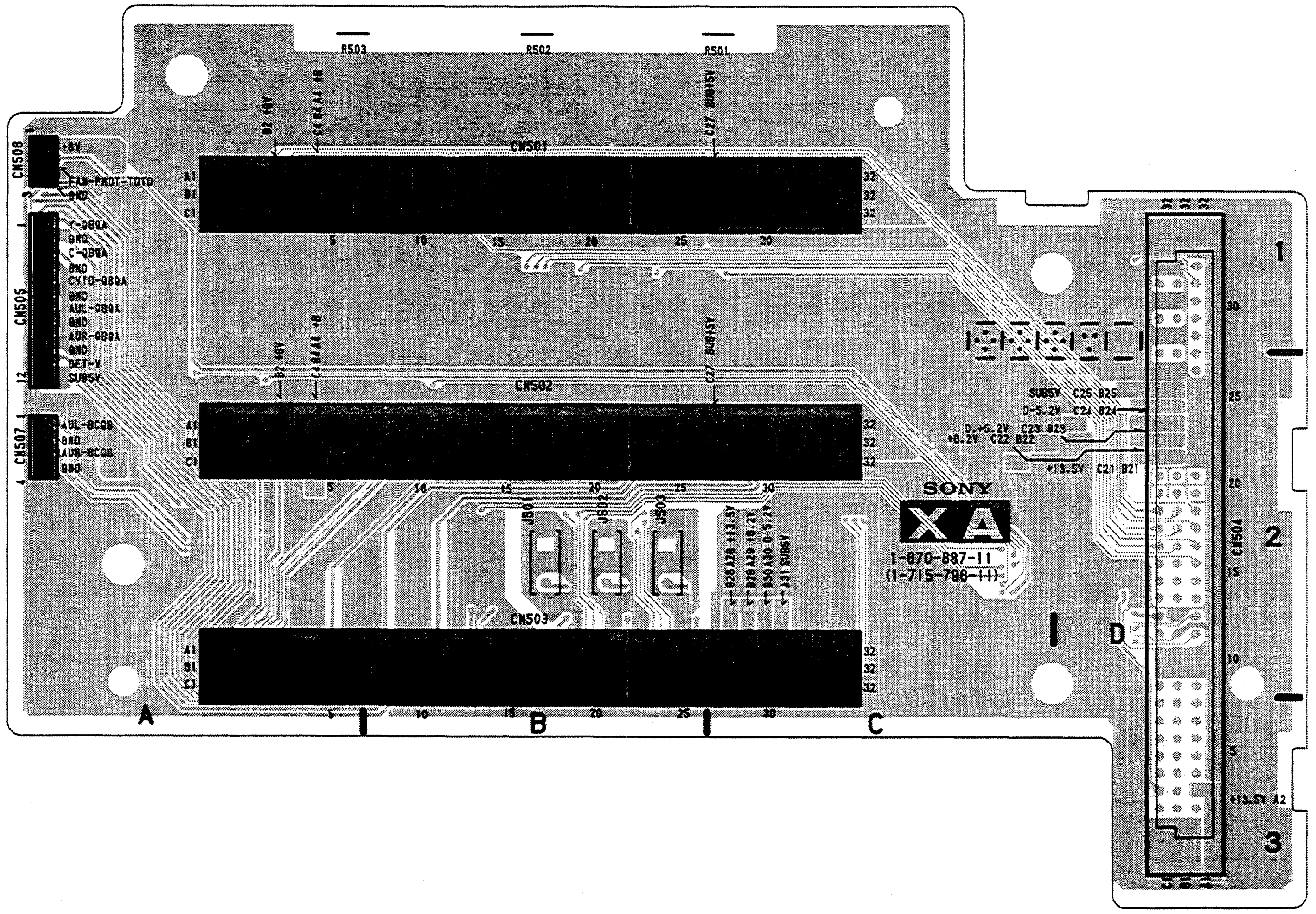
- Refer to page 9-80 for Printed Wiring Board


CN7201
10P
1 GND1
2 AF ON/OFF
3 VCC (+18V)
4 VDET
5 DC
6 DC
7 OUT
8 IDET
9 GND
10 GND
TO GAA CN7063
+18V
C7201 0.1 25V B:CHIP
C7202 330p 50V B:CHIP
C7203 0.15 16V B:CHIP
R7204 33k :RN-CP
R7205 15 :CHIP
R7206 180k 1/2W :CHIP
R7211 220k 1/2W :CHIP
R7216 2.2k :CHIP
IC7201 FA5331P PFC
IDET CT SYNC REF ON OFF CS VCC VC
IFB IIN VDET OVP VFB VIN GND OUT
-0.2 2.1 -0.1 5.0 3.4 5.5 17.2 16.9
5.1 1.1 0.5 1.3 1.8 1.5 11.1
C7206 68p 50V :CHIP
R7217 10k :CHIP
C7207 470p 50V :CHIP
C7208 0.15 16V B:CHIP
R7218 150k :CHIP
R7219 33k :CHIP
C7204 220 25V
C7205 0.1 50V :CHIP
R7209 180k 1/2W :CHIP
R7212 180k 1/2W :CHIP
R7214 1.5k :RN-CP
R7220 120 :RN-CP
R7210 270k 1/2W :CHIP
R7213 270k 1/2W :CHIP
R7215 2.2k :CHIP
R7203 4.7k :CHIP
R7201 15k :CHIP
3.4 Q7201 2SC2712 SW
0.1
R7223 15k :CHIP
R7224 47k :CHIP
R7207 100 :CHIP
R7208 47k :CHIP
R7221 220k 1/2W :CHIP
R7222 220k 1/2W :CHIP
GC
no mark:Video
(PFC)
B-SS1647<09>-GC

GC Board IC Block Diagram

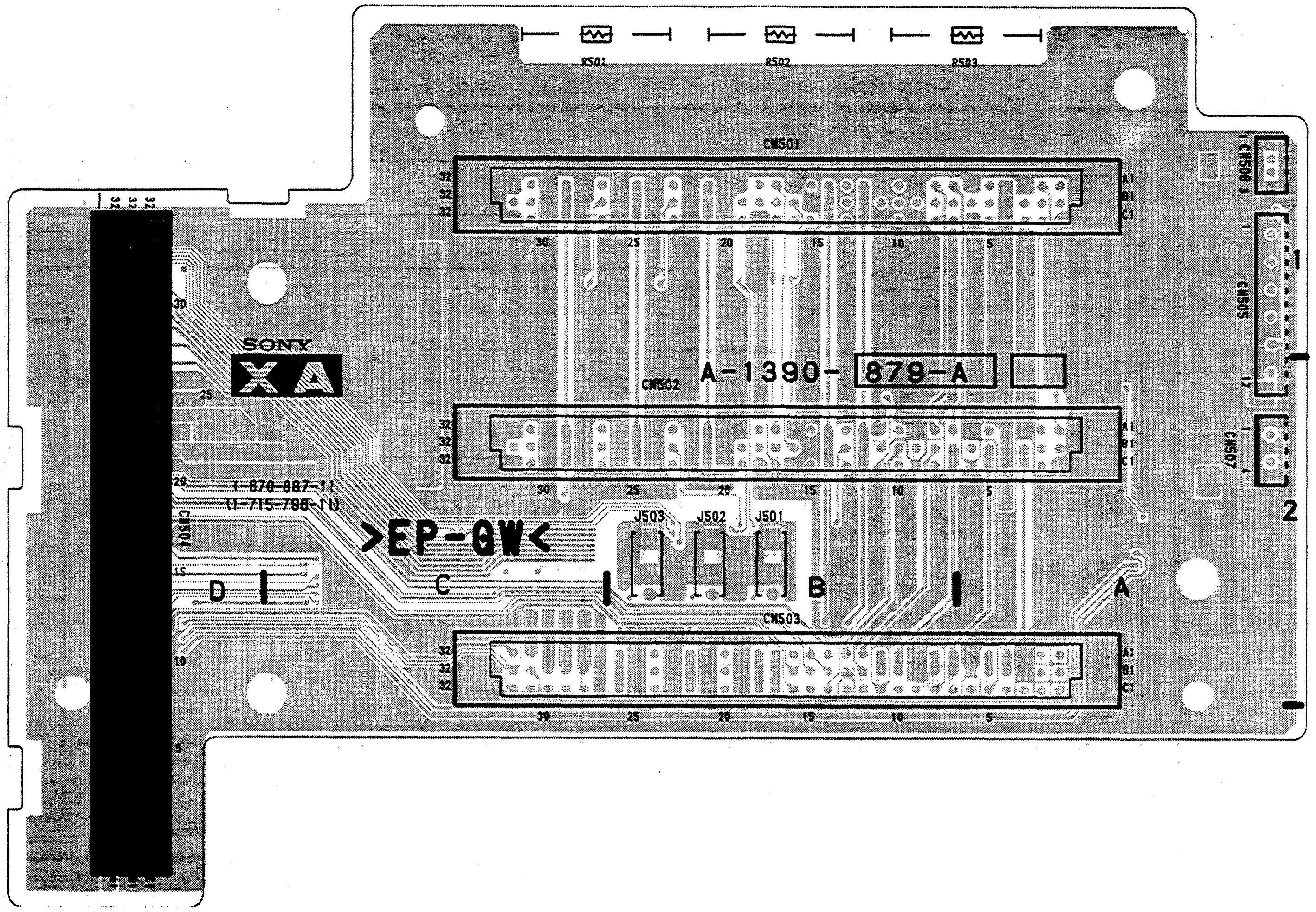
FA5331P (IC7201)


SYNC
CT
CS
REF
VCC
NC
14
15
11
13
10
12
10μA
ON/OFF
OSC
BIAS
UVLO
BIAS
Dmax
9 YC
8 OUT
7 GND
5V
15K
15K
CURR AMP
PWM COMP
ER.AMP
10K
MUL
6 VIN
Vr
5 VFB
R
S
S
Q
OCP
V???
OVP
Vp
4 OVP
16 IDET
1 IFB
2 I IN-
3 VDET


R503
R502
R501
CN508
+9V
FAN-PROT-TOTO
GND
CN505
Y-QBOA
GND
C-QBOA
GND
CVTO-QBOA
GND
AUL-QBOA
GND
AUR-QBOA
GND
SET-V
SUBSY
CN507
AUL-BCOB
GND
AUR-BCOB
GND
CN501
CN502
CN503
CN504
J501
J502
J503
SUBSY C25 B25
D-5.2V C24 B24
D-+5.2V C23 B23
+0.2V C22 B22
+13.5V C21 B21
+13.5V A2
SONY
XA
1-670-887-11
(1-715-786-11)
A
B
C
D
1
2
3

XA – B SIDE –

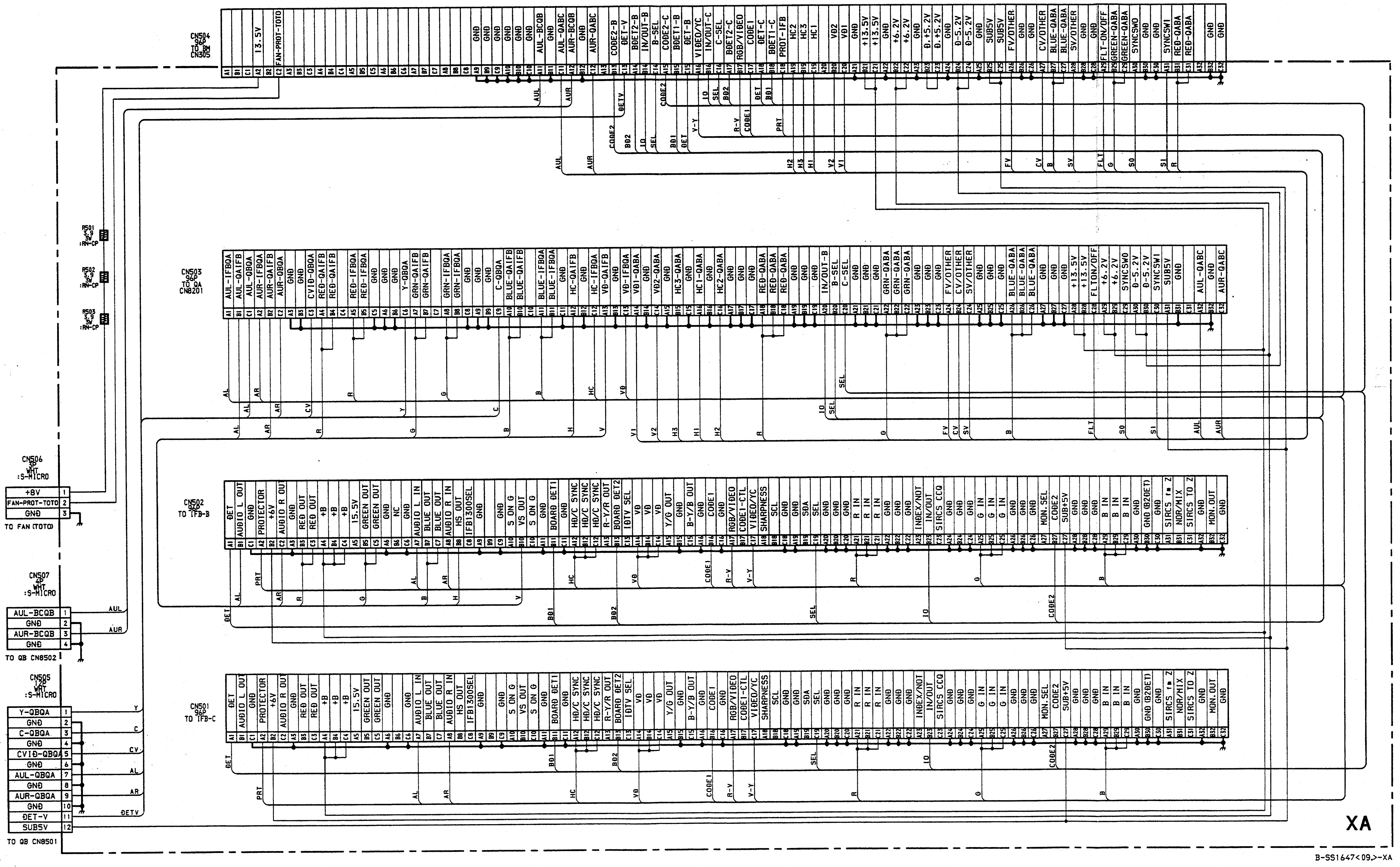
SUFFIX ; -11


R501
R502
R503
CN501
CN502
CN503
CN504
CN505
CN506
CN507
J503
J502
J501
SONY
XA
A-1390-879-A
1-670-887-11
(1-715-786-11)
>EP-QW<
A
B
C
D
1
2

XA – A SIDE –

SUFFIX ; -11

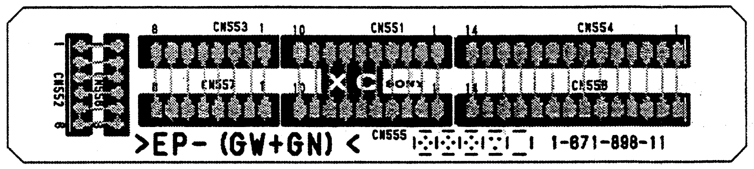
• Refer to page 9-82 for Printed Wiring Board


CN504 96P TO BW CN305
CN503 96P TO QA CN8201
CN502 96P TO IFB-B
CN501 96P TO IFB-C
R501 3.9 3W :RN-CP
R502 3.9 3W :RN-CP
R503 3.9 3W :RN-CP
CN506 3P WHT :S-MICRO
+8V
FAN-PROT-TOTO
GND
TO FAN (TOTO)
CN507 4P WHT :S-MICRO
AUL-BCQB
GND
AUR-BCQB
GND
TO QB CN8502
CN505 12P WHT :S-MICRO
Y-QBQA
GND
C-QBQA
GND
CVID-QBQA
GND
AUL-QBQA
GND
AUR-QBQA
GND
DET-V
SUB5V
TO QB CN8501
XA

B-SS1647<09>-XA

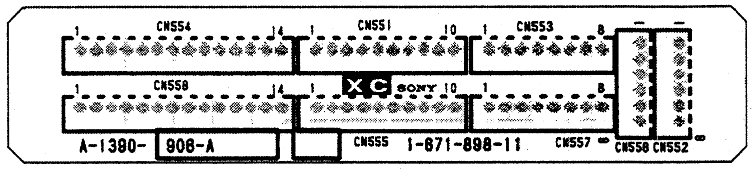
1
2
3
4
5

A B C D E F G H


CN553
CN551
CN554
CN552
CN557
CN558
XC
SONY
>EP- (GW+GN) <
CN555
1-871-898-11

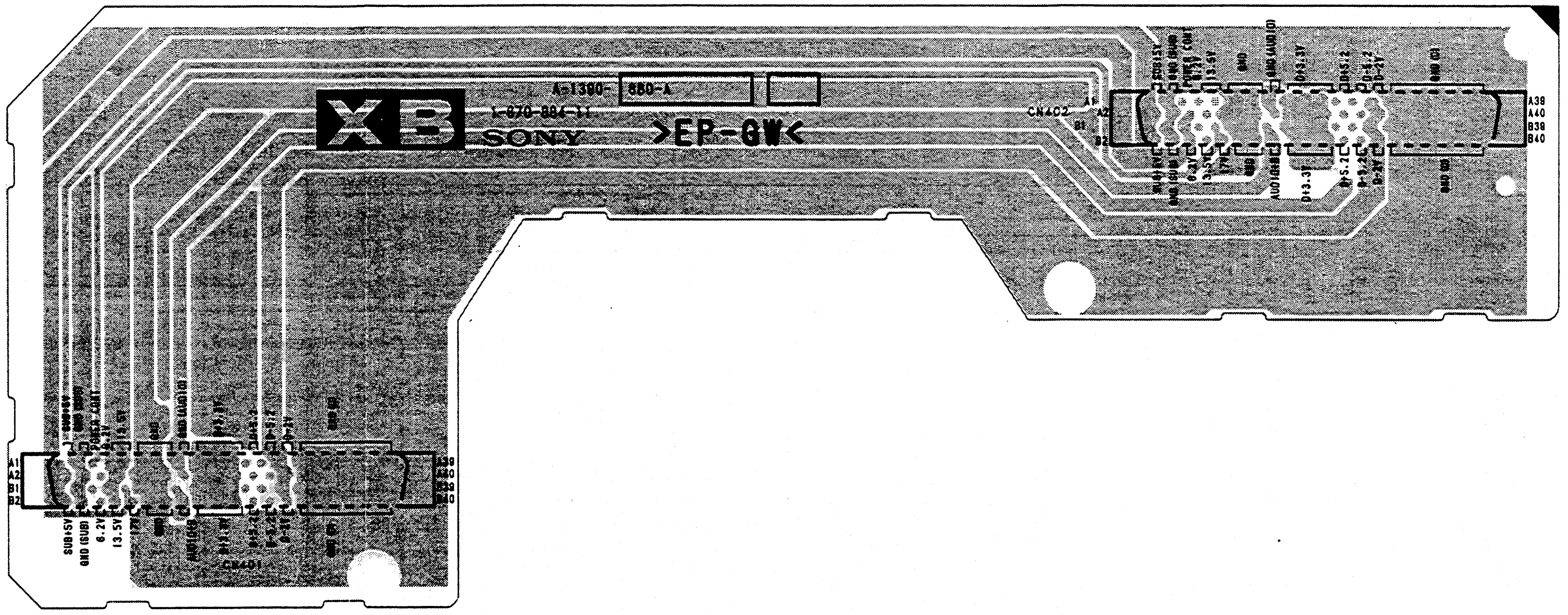
XC – B SIDE –

SUFFIX ; -11


CN554
CN551
CN553
CN558
XC
SONY
A-1390-
908-A
CN555
1-871-898-11
CN557
CN556
CN552

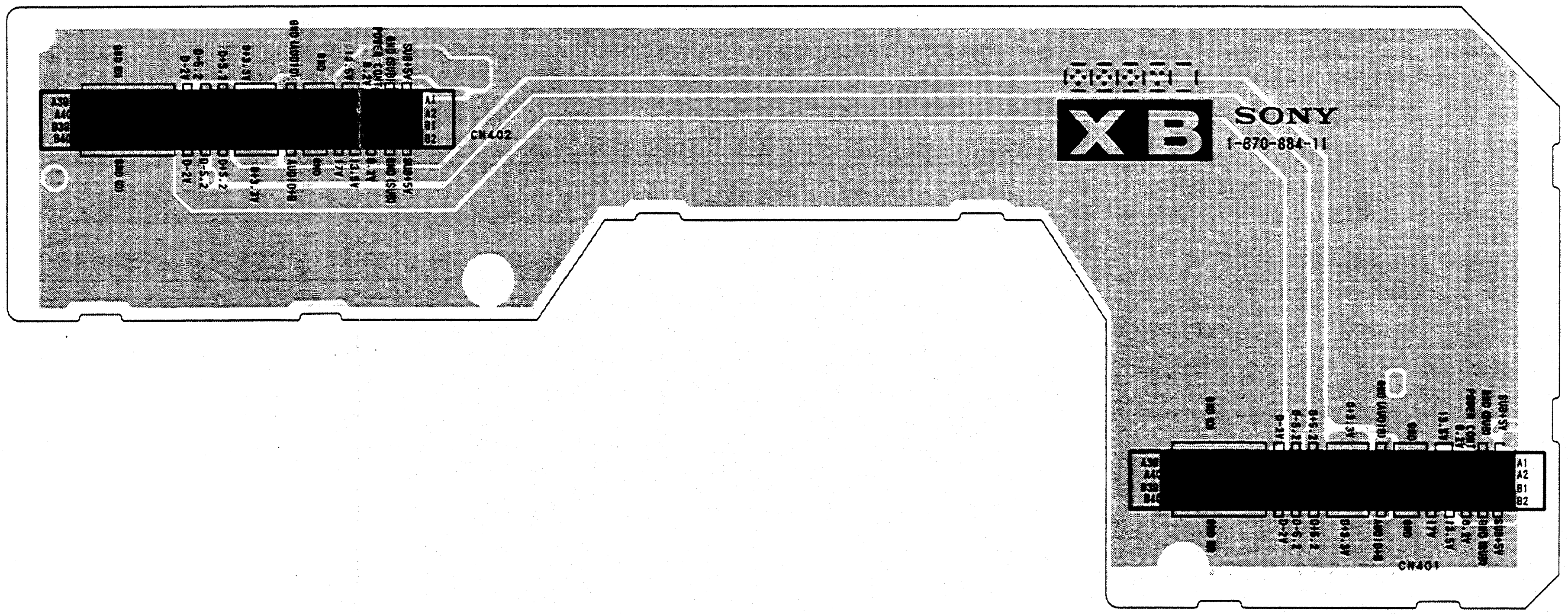
XC – A SIDE –

SUFFIX ; -11


XB
SONY
A-1390-
880-A
1-870-884-11
>EP-GW<
CN402
CN401
A1
A2
B1
B2
A39
A40
B39
B40
SUB+5V
GND (SUB)
6.2V
13.5V

XB – A SIDE –

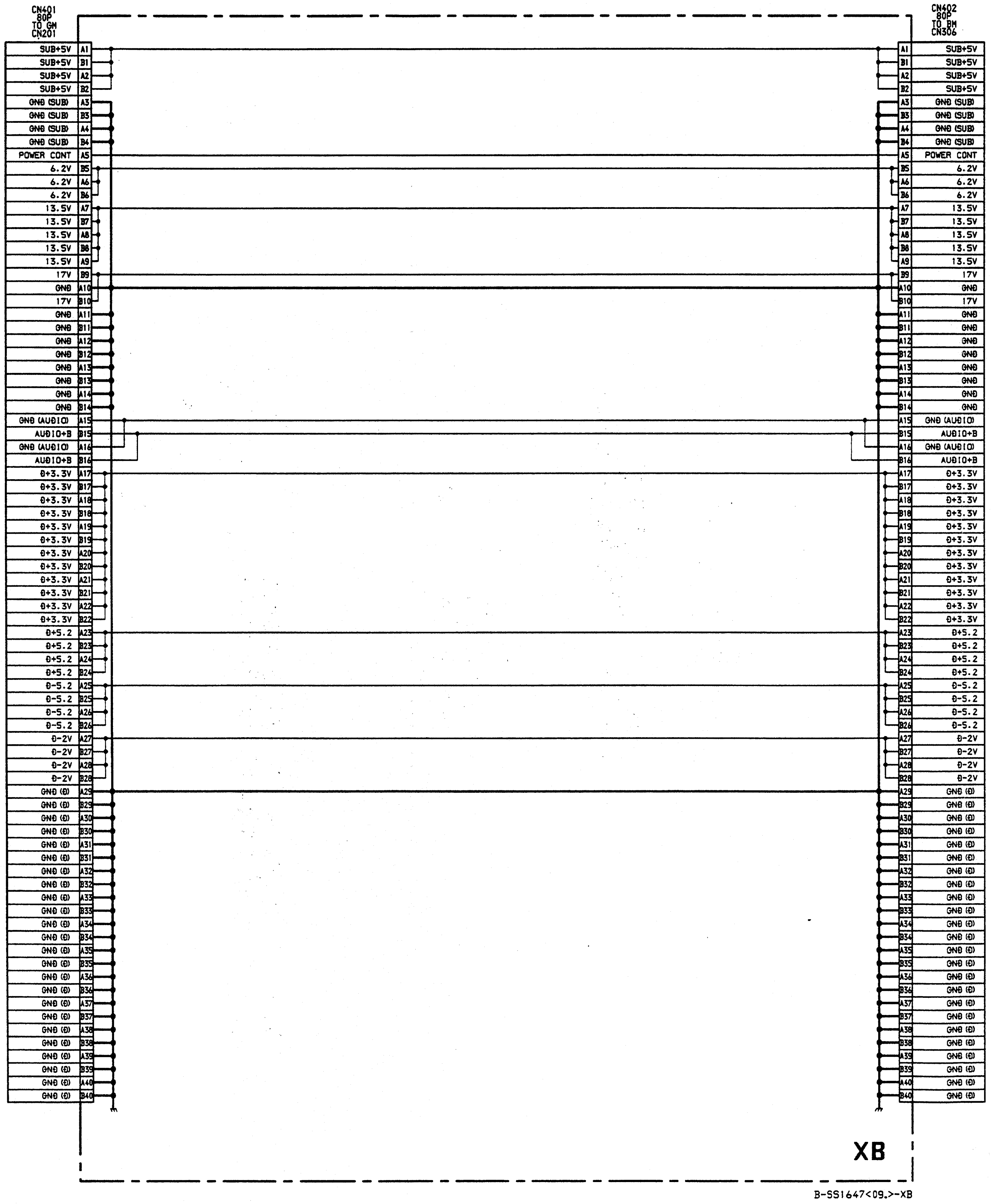
SUFFIX ; -11

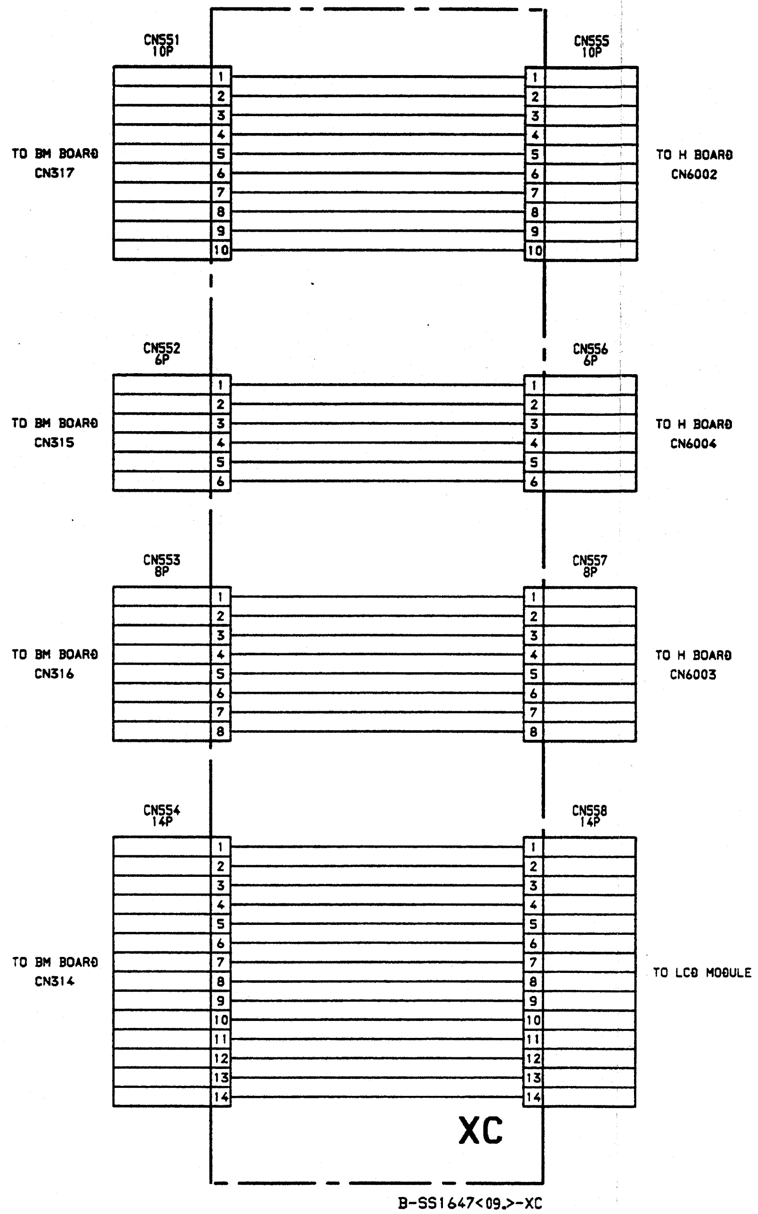

XB
SONY
1-870-884-11
CN402
CN401
A1
A2
B1
B2

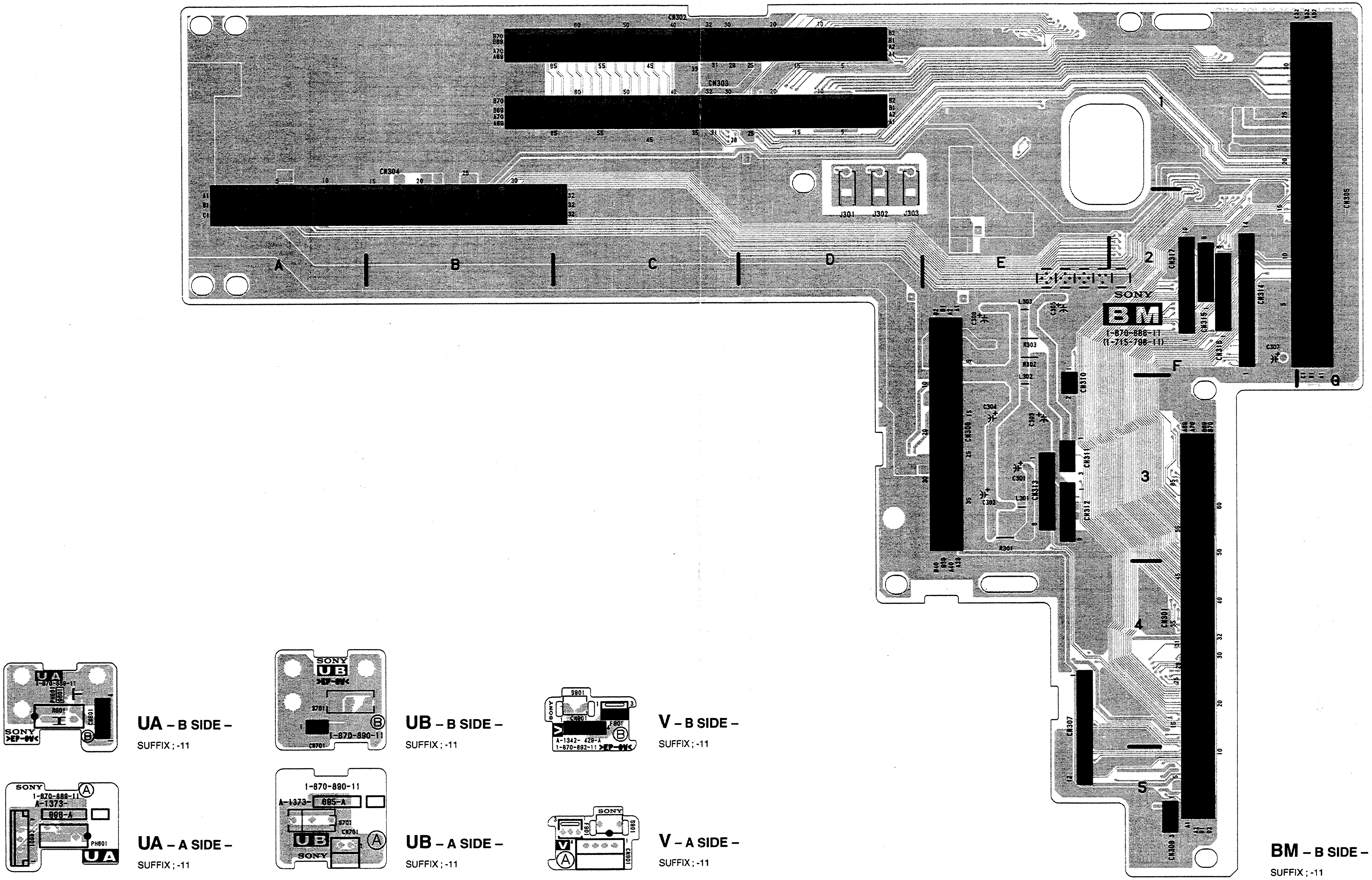
XB – B SIDE –

SUFFIX ; -11

- Refer to page 9-84 for Printed Wiring Board


CN401
80P
TO GM
CN201
CN402
80P
TO BM
CN306
SUB+5V A1 B1 A2 B2
GND (SUB) A3 B3 A4 B4
POWER CONT A5
6.2V B5 A6 B6
13.5V A7 B7 A8 B8 A9
17V B9
GND A10
17V B10
GND A11 B11 A12 B12 A13 B13 A14 B14
GND (AUDIO) A15
AUDIO+B B15
GND (AUDIO) A16
AUDIO+B B16
D+3.3V A17 B17 A18 B18 A19 B19 A20 B20 A21 B21 A22 B22
D+5.2 A23 B23 A24 B24
D-5.2 A25 B25 A26 B26
D-2V A27 B27 A28 B28
GND (D) A29 B29 A30 B30 A31 B31 A32 B32 A33 B33 A34 B34 A35 B35 A36 B36 A37 B37 A38 B38 A39 B39 A40 B40
XB
B-SS1647<09.>-XB


CN551
10P
TO BM BOARD
CN317
CN555
10P
TO H BOARD
CN6002
CN552
6P
TO BM BOARD
CN315
CN556
6P
TO H BOARD
CN6004
CN553
8P
TO BM BOARD
CN316
CN557
8P
TO H BOARD
CN6003
CN554
14P
TO BM BOARD
CN314
CN558
14P
TO LCD MODULE
1 2 3 4 5 6 7 8 9 10 11 12 13 14
XC
B-SS1647<09.>-XC


CN302
CN303
CN304
CN305
J301
J302
J303
A
B
C
D
E
F
G
1
2
3
4
5
SONY
BM
1-870-888-11
(1-715-796-11)
CN306
CN307
CN308
CN309
CN310
CN311
CN312
CN313
CN314
CN315
CN316
CN317
CN901

BM – B SIDE –

SUFFIX ; -11

UA
1-870-888-11
SONY
CN801
PH801
B

UA – B SIDE –

SUFFIX ; -11

SONY
UB
S701
1-870-890-11
CN701
B

UB – B SIDE –

SUFFIX ; -11

S901
SONY
CN901
F801
V
A-1342-428-A
1-870-892-11
B

V – B SIDE –

SUFFIX ; -11

SONY
A
1-870-888-11
A-1373-
886-A
PH801
UA

UA – A SIDE –

SUFFIX ; -11

1-870-890-11
A-1373-
885-A
S701
CN701
UB
SONY
A

UB – A SIDE –

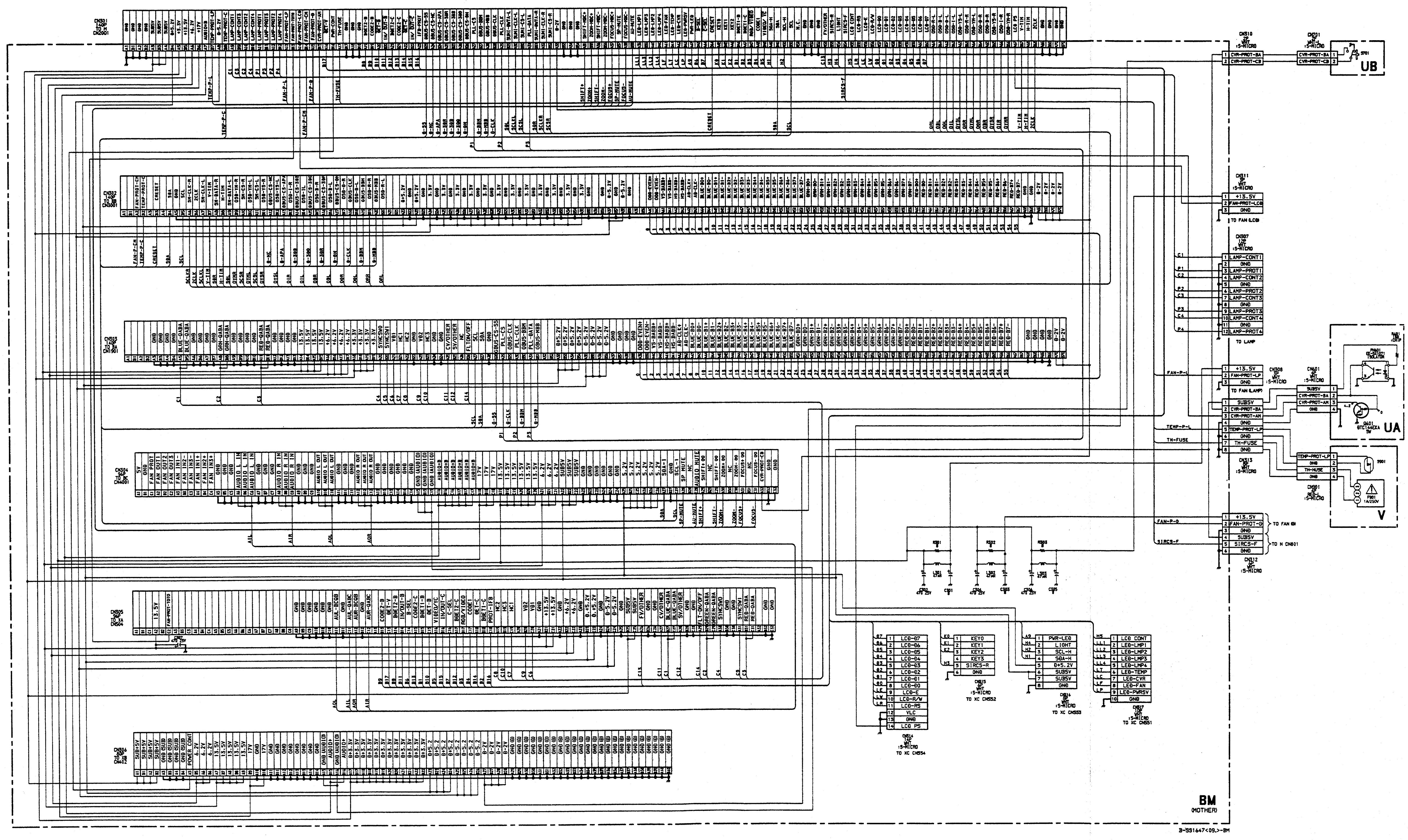
SUFFIX ; -11

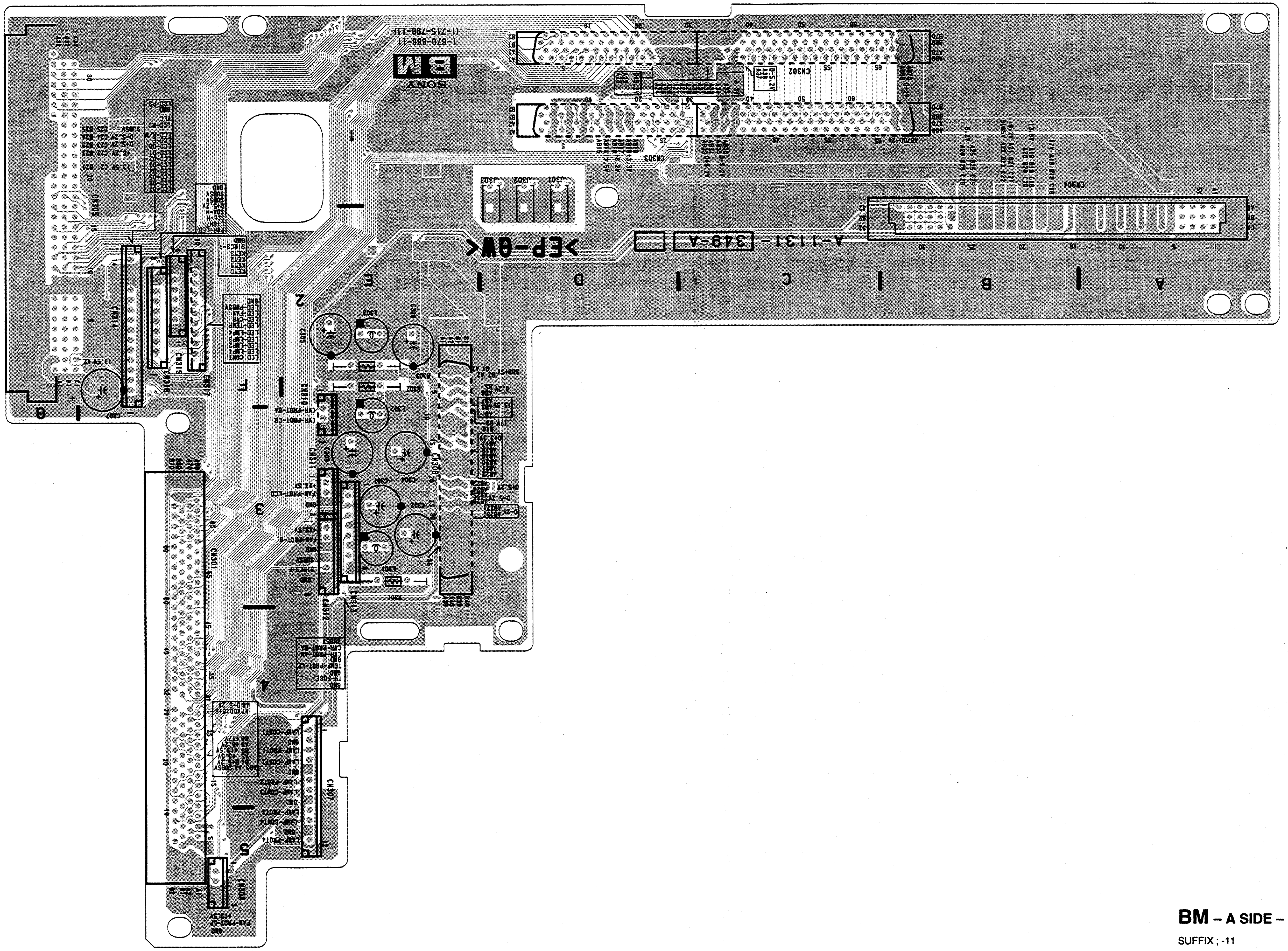
SONY
S901
CN901
V
A

V – A SIDE –

SUFFIX ; -11

• Refer to page 9-86, 9-88 for Printed Wiring Board


UB
UA
V
BM
(MOTHER)
TO LAMP
1
2
3
4
5
A
B
C
D
E
F
G
H



BM – A SIDE –

SUFFIX ; -11